Construction News

RAILWAYS—STEAM AND ELECTRIC . . . .

Proposed Work

Pennsylvania—Wilkes-Barre & Hazleton Ry. made surveys line from Hazleton to Tamaqua, via Black Ridge and Cranberry to connect with Philadelphia & Reading and Lehigh & New England Rys. About $300,000. C. B. Houke, Hazleton, Gen. Mgr. Noted Oct. 26.

Virginia—Atlantic Coast Line R.R. plans improvements in vicinity of Byrd St. station, Richmond. About $500,000. J. E. Willoughby, Wilmington, N. C., Ch. Engr.

South Carolina—Isle of Palms Traction Co., Charleston, plans 1½-mi. track next year. W. W. Fuller, Charleston, Ch. Engr.

Georgia—American Pine and Cypress Co., St. Marys, plans railway in connection with lumber plant on St. Marys River near St. Marys, about 3 mi. L. D. Cox, 603-18 Atlantic National Bank Bldg., Jacksonville, Pres.

Florida—Florida East Coast Railway Co. plans track on north bank West Palm Beach Canal, West Palm Beach. E. B. Carter, St. Augustine, Ch. Engr.

Mississippi—Meridian & Bigbee Ry. incorporated to succeed Meridian & Deepwater Ry., will build line from Meridian, Miss., to Myrtlewood, Ala., about 47 mi., also plans to extend line later to Pensacola, Fla. S. A. Neville, Meridian, and J. T. Schley, Mobile, Ala., interested. Noted Dec. 7.

Louisiana—New Orleans & Lower Coast Railroad Co. organized to succeed New Orleans, Ft. Jackson & Grand Isle Railroad Co., will build extension from Buras to Venice, 16 mi. G. Janvier, New Orleans, Secy.

Louisiana—Peavy-Wilson Lumber Co., Shreveport, recently incorporated with $1,000,000 capital stock, plans line from Longleaf to connect with Kansas City Southern R.R., near Christi, 55 or 60 mi. A. J. Peavy, Shreveport, Pres.

Tennessee—Southern Ry. purchased site 4 mi. east Knoxville to build cut-off or belt line from Coster Yards to Mascot. W. H. Wells, 1300 Pennsylvania Ave., Washington, D. C., Ch. Engr. M. W. and Struct.

Kentucky—Bond-Foley Lumber Co., Bond, plans to extend line from East Bernstadt to point beyond McKee.

Ohio—Cleveland Railway Co., Leader News Bldg., Cleveland, plans car tracks on new Detroit-Superior high-level bridge. About $135,000. G. L. Radcliffe, Leader News Bldg., Cleveland, Gen. Mgr.

Ohio—Stark Electric R.R. plans line from Alliance to Marlboro, 6 mi., next year. F. L. Mowry, Alliance, Gen. Mgr.

Indiana—Pennsylvania Lines West of Pittsburgh plans to double-track Richmond Division between Cincinnati and Logansport. T. Rodd, Pennsylvania Station, Pittsburgh, Ch. Engr.

Missouri—Chicago, Burlington & Quincy Ry. granted permission by Pub. Ser. Comn. of Missouri to build line from Monroe City to Moberly, about 40 mi. W. L. Breckenridge, Chicago, Ch. Engr. Noted Dec. 7.

Missouri—Oklahoma and Interstate Railway Co., Commerce, applied to Council franchise to build line. J. R. Rose, Oklahoma, Pres.

Arkansas—Ozark & Arkansas Midland Railway Co., recently incorporated with $750,000 capital stock, plans line from Rogers to Kingston, about 40 mi., thence to Bald Knob, 125 mi. farther. Company will also take over line Ozark Land and Timber Co. from Monte Ne to Piney, 8 mi. C. G. Wright, Dallas, and W. A. Mundell, Rogers, interested.

Texas—Atchison, Topeka & Santa Fe Ry. receiving bids line from Lubbock through Brownfield and Terry County to point in Gaines County, about 64 mi. F. M. Bisbee, Amarillo, Ch. Engr. Western Lines. C. F. W. Felt, Chicago, Ch. Engr. Ry. Noted Aug. 17.

Texas—Eagle Pass & Gulf R.R. soon lets contract first 100 mi. of railway from Eagle Pass to Aransas Pass. A. L. Matlock, 518 Bedell Bldg., Eagle Pass., Atty. Noted Oct. 26.

Oklahoma—Gulf, Colorado & Santa Fe Ry. making surveys line from point near Ardmore to new oil fields near Wirt, about 20 mi. F. Merritt, Galveston, Ch. Engr.

Oklahoma—Ringling & Oil Fields Railroad Co. making surveys line from Ringling to Oklahoma City, about 120 mi. J. J. Harrison, Ardmore, Surv. J. L. Hamon, of Oklahoma, New Mexico & Pacific R.R., interested. Noted Dec. 14.

Oklahoma—Webbers Falls Railroad Co. plans line from Warner to Checotah, about 15 mi. next year. S. R. Threlkeld, Webbers Falls, Gen. Mgr.

Idaho—Pocatello Traction and Interurban Co. will be organized to build line from Preston through Pocatello, Blackfoot, Idaho Falls, Shelley and St. Anthony to Ashton, about 172 mi. R. Douglas, Pocatello, Pres.

Washington—City, Seattle, defeated $450,000 bonds to build line railway along water front. J. R. West, Cn. Engr. Port Seattle. C. E. Remsberg, Secy. Comrs. Noted Nov. 30.

Oregon—City, Prineville, to sell $225,000 bonds Dec. 28 to build railway from Prineville to main line of Oregon Trunk R.R., 18 mi. west. N. G. Wallace, Member Council. Noted Oct. 12.

California—Fresno Interurban Railway Co. secured permission from State Railroad Comn. to issue and sell $49,597 bonds to be used to extend lines in Fresno. L. H. Landis, Hobart Bldg., Fresno, Gen. Mgr.

California—Northwestern Pacific R.R. plans branch line around McNears point near San Rafael. F. K. Zook, San Francisco, Ch. Engr.

Ontario—Port Arthur Civic Ry. plans to resurface tracks on Cumberland St. from McVicar to Arthur St. and replace present rail joints with 100-lb. joints. M. M. Inglis, Port Arthur, Mgr.

Bids In and Contracts Awarded

Pennsylvania—Midland-Pennsylvania Ry. let contract line from Gratz to Gordon to W. S. ALDRICH, Audubon.

Louisiana—Orleans-Kenner Electric Railway Co. let contract line from Kenner to Rost to JOHNSON & CO., INC., New Orleans. Noted June 1.

Texas—Houston, Richmond & Western Ry. let contract grading 60 mi. interurban railway from Houston to Garwood to MOORE & SONS, Lufkin.

New Mexico—El Paso & Southwestern Railroad Co. let contract rebuilding and grading portion tract near Three Rivers to W. J. HARRIS CONSTRUCTION CO., El Paso. About $150,000.

California—San Diego & Arizona Railway Co., San Diego, let contract building remaining lines to TWOHY BROS., First National Bank Bldg., San Francisco. Noted Nov. 30.

LIGHT, HEAT AND POWER

Proposed Work

N. H., Milton—Twin State Gas and Electric Co., Masonic Bldg., Dover, making plans 1-story, 20x29-ft. hydro-electric power plant. About $25,000. I. W. Jones, Engr.

N. Y., Oswego—City made plans 1-story, 50x120-ft. hydro-electric plant. About $600,000. J. A. Bensel, 111 Broadway, New York, Engr.

N. J., Perth Amboy—P. White & Sons will construct a 40x40-ft. addition to boiler and engine room.

Va., Staunton—Blue Ridge Light and Power Co. plans extending system.

Ohio, Cleveland—Swift & Co. granted permit, power plant at 3242 West 63rd St.

Ohio, Mt. Gilead—Hydraulic Press Manufacturing Co., made plans, receiving bids about Feb. 1, 1-story, 24x30-ft. addition to power house. F. B. McMillin, Gen. Mgr.

Ohio, Toledo—Toledo Railways and Light Co. plans power plant on East Side. About $6,000,000.

Ill., Dixon—Illinois Northern Utilities Co. plans power plant. About $280,000. H. H. Heinze, Dixon, Pur. Agt.

Ill., Highland—Council granted franchise to Southern Illinois Light and Power Co. to build transmission line. W. A. White, Vice-Pres.

Ill., Sherrard—Sherrard Power System Co., recently incorporated, with $30,000 capital stock, plans electric-light and power system. W. Bowen, B. Bowen and J. Klucket interested.

Wis. Black Earth—City plans electric-light plant. W. Meister interested.

Ia., Centerville—Iowa Southern Utilities Co. plans power plant.

Ia., Keokuk—Bd. Superv. granted petition to Mississippi River Power Co. to build transmission line along river from Keokuk to Montrose.

Minn., Rochester—City made plans, receiving bids about Jan. 1, hydro-electric plant. About $500,000. H. D. Cooper, 101 Park Ave., New York, Engr. Noted Sept. 7.

Kan., La Crosse—City votes Dec. 28 on $12,500 bonds to build electric-light plant.

S. D. Dell Rapids—City voted $40,000 bonds to install electric-light system.

Mont., Bozeman—Bd. Freeholders granted franchise to Gallatin Valley Gas Co. to install gas plant.

Mo., Joplin—City voted $175,000 bonds to build electric-light plant.

Tex., Alto—Alto Light and Power Co. plans rebuilding its electric-light plant recently destroyed by fire.

Tex., Kemp—City plans electric-light plant.

Tex., Mabank—City plans electric-light plant.

Tex., Mart—Mutual Electric Co. granted franchise by City Comn. to build electric-light plant. J. L. Harman, interested.

Tex., Pearsall—Pearsall Electric Light Co. plans rebuilding electric-light system.

Tex., Wellington—Wellington Power and Light Co. has been purchased by B. F. Godwin, who plans improving system.

Tex., Winters—Winters Light and Milling Co. plans 13,500-volt transmission line to supply power to American Locomotive Works.

Okla., Mountain Park—City voted to install electric-light plant.

Okla., Oklahoma—Southwestern Power, Light and Railway Co., Security Bldg., plans 5 hydro-electric plants on Washita River. About $1,000,000.

Wash., Index—Council plans electric-light system.

Calif., Colton—Fontana Power Co. made plans hydro-electric plant.

Calif., Hanford—Bd. Supervs. receiving bids Jan. 2 for purchase of 50-year franchise to build transmission lines over roads and highways of Kings County. E. F. Picherell, Hanford, Clk. Bd.

Ont., Oil Springs—Council considering plans hydro-electric lighting and power distributing system. About $15,000.

Bids In and Contracts Awarded

Ohio, East Palestine—Bd. Trustees Pub. Affairs let contract power plant and water-works station to J. G. MADDEN, East Palestine. Noted Nov. 23.

Wis., Superior—Continental Truck Co. let contract power house to W. CARTER, Superior.

Mo., Kansas City—Kansas City Light and Power Co. let contract 1-story, 50x142-ft. heating plant to E. L. WINN CONSTRUCTION CO., 105 Railway Exchange Bldg., Kansas City. About $46,000.

BRIDGES

Proposed Work

R. I. Pdovidence—Common Council considering bridge over river at Market and Postoffice Sq., Washington Row and Canal St. About $50,000. M. H. Bronsdon, City Engr. Noted Nov. 23.

N. Y., Jamestown—Bd. Estimate and Review recommended $70,000 bond issue to build 2 concrete or rein.-con. bridges, one 85 ft. long and 50 ft. wide over Sprague St., about $25,000; other 87x50 ft. over Harrison St., about $25,000; also 8-in. sewer pipe portions 3 streets. C. G. Jones City Engr.

Pa., Franklin—Pennsylvania R.R. plans concrete slab bridge over Stewart Creek, President Township, Venango County. Plans approved by State Water Supply Comn., Harrisburg. A. C Shand, Broad St. Station, Philadelphia Ch. Engr

Pa., Reading—Berks County plans canal bridge in Robeson Township near Birdsboro. Address County Clk., Reading.

Pa., Tionesta—Pennsylvania R.R. plans concrete slab bridge over Dawson Run, Harmony Township, Forest County. Plans approved by State Water Supply Comn., Harrisburg. A. C Shand, Broad St. Station, Philadelphia, Ch Engr.

Pa., Watsontown—City making plans bridge across Susquehanna River between Watsontown and White Deer. About $200,000. W. G Thomas, Engr.

Pa., Wilkes-Barre—City plans rein.-con. bridges and concrete retaining walls at Franklin, Regent and Waller St. B. K. Finch, City Engr.

W. Va., Huntington—City making plans bridge over Ohio River. A. B. Maupin, City Engr.

Ala., Birmingham—City soon receives bids 21st St. Viaduct. About $200,000. J. Kendrick City Engr.

Ky., Richmond—(Official)—Madison County voted $35,000 bonds to build bridge over Kentucky River at Clays Ferry. Address County Clk., Richmond. Noted Nov. 23.

Ohio, Columbus—City plans bridge on Town St. H. Maetzel, City Engr.

Ohio, Middletown—Ohio Electric Railway Co. making plans and soon receives bids 120-ft. bridge, 2 concrete abutments over Cincinnati Hamilton & Dayton R.R. W. K. Schopf, Traction Bldg., Cincinnati, Pres.

Ohio Toledo—Chesapeake & Ohio R.R. plans bridge over Ohio River. About $4,000,000. F. I. Cabell, Ch. Engr.

Mich., Iron River—Village plans bridge on East Genesee St.

Ill., Chicago—Bd. Pub. Wks. plans to spend $6,500,000 to build bridges. J. Ericson, City Engr.

Bridges (Continued)

Ill., Chicago—(Official)—Dept. Pub. Wks., Room 406, City Hall, receiving bids Jan. 10, superstructure Strauss Direct Lift Bridge over South Branch Chicago River, at West 12th St. R. Moorhouse, Comr. Pub. Wks. Noted Nov. 23. (See adv.)

Ill., Lewistown—Kerson Township voted $5,000 bonds to pay share cost of building $10,000 bridge over Otter Creek. Address E. F. Motsinger, County Supt. Highways, Fulton County, Canton.

Wis., Grand Rapids—Wood County plans bridge over Wisconsin River during 1917. About $60,000. Address County Clk., Grand Rapids.

Wis., West Allis—City plans new bridge to replace one over tracks North Western Ry. E. G. Orbert, City Engr.

Ia., Atlantic—(Official)—Cass County receives bids about Feb. 1, three 32-ft. and two 24-ft. I-beam span bridges and 2 rein.-con. box culverts. H. S. Williams, Atlantic, County Engr. Noted Dec. 7.

Ia., Ft. Dodge—Webster County making plans, receiving bids about Jan. 1 bridges. About $30,000. J. L. Parsons, Engr.

Ia., Maquoketa—Jackson County receiving bids in February bridges. C. M. Fisher, Maquoketa County Engr. Noted Nov. 23.

Ia., Sidney—Fremont County receiving bids Dec. 28 furnishing 300-ft. B. M. No. 1 full sawed Douglas fir bridge lumber; 12,000 lin.ft. red cedar piling, 14 to 34-ft.; 2,000 lin.ft. corrugated pipe, 1,800 lin.ft. concrete pipe; 1,000 tons washed and screened gravel. F. B. Jenkins, Sidney, County Audr.

Ia., Toledo—Tampa County receiving bids about Apr. 1 bridges. A. R. Hebenstreit, Toledo, County Engr. Noted Nov. 30.

Ia., Waukon—Allamakee and Clayton Counties plans 2 bridges on boundary line of counties. Address County Clk., Waukon.

Minn., St. Paul—Chicago & Great Western R.R. making plans repairing bridge over tracks. W. K. Calvin, Asst. Engr.

Kan., Erie—Neosho County receiving bids Jan. 8 repairing 2 bridges and building 6 new ones. J. W. Pratt, Chanute, Engr. Noted June 22.

Kan., Paola—(Official)—Miami County called off letting of bridges as advertised for Dec. 27. E. Huff, Paola, County Engr. Noted Dec. 14.

Neb., Falls City—Richardson County receiving bids Jan. 8 several bridges. O. O. Marsh, Falls City, County Clk.

Ark., Mt. Ida—Montgomery County Comrs. receiving bids Dec. 29, 4 steel bridges. J. B. Kelly, Mt. Ida, County Judge. Noted Nov. 16.

Tex., Dallas—City plans 2-concrete bridges over Turtle Creek on Fairmount St. and Lemmon Ave. H. Moseley, City Engr.

Tex., Wichita Falls—Wichita County Comrs. sold $80,000 bonds to build bridges. Address County Clk., Wichita Falls. Noted Nov. 16.

Okla., Nowata—Nowata County plans bridges. Bonds sold. Address County Clk., Nowata.

Okla., Tahlequah—Cherokee County election Dec. 22 to vote on $50,000 bonds to build bridges in county. Address County Clk., Tahlequah. Noted Dec. 7.

Utah, Salt Lake City—City receiving bids Jan. 3, 8-span pile bridge across Jordan River at California Ave. S. Q. Cannon, City Engr.

Ore., Dallas—Polk County—appropriated $41,271 as share of cost of rein.-con. bridge between Polk and Marion Counties. A. Robinson, Jr., Dallas, Clk. Polk County.

Calif., Colusa—Colusa County plans concrete bridge near Kilgore Pl. C. J. Westcott, Colusa, Superv.

Calif., Los Angeles—Bd. Superv. Los Angeles County receiving bids Dec. 26 pile trestle bridge over Eaton Wash. Address Clk., Los Angeles.

Bids In and Contracts Awarded

N. Y., Buffalo—Dept. Pub. Wks. let contract bascule bridge over Buffalo River on Abbott Rd. to LUPFER & REMICK, Ellicott Sq. Noted Nov. 2.

N. J., Cape May—Bd Freeholders, Cape May County received low bid bridge over Corson's Inlet from J. G. Champion, 5135 Knox St., Phila., $127,393. Noted Nov. 9.

Pa., Phila.—Bd. Pub. Wks. let contract steel bridge over Pennsylvania R.R. on Marcie St. to J. McMENAMY, $69,000. Noted Sept. 28.

Ind., Brazil—Clay County Comrs. let contract bridge in Lewis Township to C. A. RHODES, Cory.

Ind., Covington—City let contract 2 concrete abutments and moving old bridge to W. E. ALLEN, Hillsboro.

Minn., Bemidji—Beltrami County let contract 40 bridges over Ditch No. 36, 40 over Ditch No. 30 and 15 over Ditch No. 31 to D. M. SOWA, Baudette, $28,257. Noted Dec. 7.

Minn., Duluth—St. Louis County received low bid bridges over canals from Wausau Iron Co., $7,076.

Mont., Roundup—Musselshell County let contract new bridge on county road between Sects. 26 and 35, Township, 5-26, to SECURITY BRIDGE CO., Lewiston, Idaho.

Tex., Galveston—Galveston County let contract 4 rein.-con. bridges on Dickinson-Alta Loma Rd. to T. PARSONS, Galveston, 18.45c cu.yd. Noted Nov. 30.

Tex., Houston—Houston, Richmond & Western Ry. let contract bridges over Brazos and Colorado River in connection with proposed line from Houston to Garwood to PITTSBURGH BRIDGE CO., Farmers Bank Bldg., Pittsburgh.

Okla., Hobart—Kiowa County let contract 33 bridges and culverts to OKLAHOMA BRIDGE CO., 515 Paterson Bldg., Oklahoma.

Okla., Oklahoma—Oklahoma County let contract 6 bridges to OKLAHOMA BRIDGE CO., Oklahoma, $6,587. Noted Dec. 14.

Ore., Portland—City received low bid rein.-con. viaduct over tracks of Oregon-Washington Railroad & Navigation Co., from PORTER BROS. CO., Railway Exchange Bldg., $540,000. Noted Sept. 28.

Calif., Yreka—City let contract bridge over Klamath River to A. S. CALKINS & O. G. COOPER, $4,087.

WATER-WORKS

Proposed Work

Mass., Holyoke—Bd. Water Comrs. received report from W. S. Johnson, 101 Tremont St., Boston, Engr., on dam at White storage reservoir. About $40,000. P. Gear, Supt.

R. I., Providence—(Official)—Water Supply Bd., City Hall, receiving bids Jan. 3 stream control works for main dam of Scituate Reservoir on Pawtucket River, near Kent. Noted Nov. 16. (See adv.)

Ct., Bridgeport—Bridgeport Hydraulic Co. plans 4-mi. water mains. D. H. Hall, Supt.

Conn., Watertown—City voted $120,000 bonds to improve water-works. E. W. Wheeler, Supt. Noted Nov. 23.

N. J., Allenhurst—(Official)—C. E. King, Boro. Clk., receiving bids Dec. 26 pumping equipment.

N. J., Orange—State Bd. Health recommends installing filter plant at city reservoir, Milburn. A. Travis, Water Wks., Supt.

N. J., Skillman—Village to ask State Legislature to appropriate $35,000 additional water supply at State Village for Epileptics.

Pa., Allentown—(Official)—A. L. Reichenbach, Mayor, 39 North 7th St., receiving bids Dec. 30 two 6 000,000-gal. pumping engines, in pumping station. (See adv.)

Penn., Chester—Chester Water Co. making plans water system and reservoir. About $25,000. W. B. Chadwick, Supt.

Penn., Johnstown—Morrellville & Cambria Water Co. retained Chester & Fleming, Engr., Pittsburgh, to make plans filter plant, at F St. and Chandler Ave. H. C. Ramsey, Supt. Noted Dec. 7.

Ga., Lithonia—City sold $35,000 bonds for water and sewage systems. Noted Nov. 2.

Miss., Natchez—City plans new pumping station. T. A. Winchester, Supt.

La., Independence—City receiving bids Jan. 9 water system, including pumps, steel tower, reservoir, pumping station, hydrants, etc. X. A. Kramer, Magnolia, Miss., Consult Engr. W. H. Wilson, Mayor.

Tenn., Springfield—City votes Jan. 6 on $36,000 bonds to extend water-works. G. B. Shawver, Supt.

Ohio, Akron—Summit County plans reservoir in Tuscarawas River Valley. Address County Clk., Akron.

Ohio, Beshler—City plans reservoir, wells and standpipe. Bids in spring. About $33,000.

Ohio, Cambridge—Council receiving bids Jan. 10 bonds to build water-works. Noted Nov. 16.

Ohio, Lorain—Bd. Pub. Ser. receiving bids Jan. 3, 6 jewel filters, machinery, valves, piping, etc., for water system. L. M. Moore, Mayor. Noted Dec. 14.

Ohio, Nelsonville—(Official)—City receiving bids Jan. 6, 1 compound duplex pumping engine, 1 steam-driven air compressor, 1 air receiver, fort pieces, well health, etc. J. Hill, Dir. Pub. Ser.

Ind., Ft. Wayne—Bd. Pub. Wks. receiving bids Jan. 4 roof over city reservoir. G. B. Borsch, Supt.

Ind., Kokomo—City plans $420,000 bond issue to make water-works improvements. E. C. Elliott, Supt.

Mich., Detroit—Water Bd. plans filtration plant, capacity 320,000,000 gal. About $4,000,000. T. H. Leisen, Water Bd. Engr.

Ill., Averyville—R. Crozier, Engr., Peoria Water Works Co., estimates cost water mains Reservoir Heights at $29,000.

Iowa, Farragut—City plans water-works.

Ia., Forest City—(Official)—City defeated $15,000 bonds reservoir and pumping station. Will vote again in Feb.

Ia., Independence—City receiving bids Jan. 9 water system. G. D. Warren, Supt.

Minn., Goodhue—City making plans water works. O. E. Kyllo, Village Clk. Noted Dec. 9.

Kan., Arcadia—(Official)—City defeated $30,000 bonds for water-works. Noted Nov. 30.

Kan., La Crosse—City votes Dec. 28 on $40,000, bonds to build water-works. W. B. Rollins, Railway Exchange Bldg., Kansas City, Mo., Engr. Noted Oct. 28.

N. D., Minot—City made plans rein.-con. reservoir, 3,000,000-gal. capacity. F. Bass, 244 Plymouth Bldg., Minneapolis, Engr. O. Knudson, Supt. Noted May 18.

Mo., Cameron—City making plans extension of water mains in Sewer Dist. No. 3. H. T. Lawrence, Mayor.

Mo., Joplin—(Official)—City does not plan water system as stated in issue of Nov. 9.

Tex., San Angelo—Tom Green County plans 2 dams on Concho River. Address County Clk., San Angelo.

Tex., San Antonio—City soon receives bids water-works. F. O. Kirby, 422 Ave. D., Engr. H. J. Weierhauser, Supt.

Okla., Mangum—City defeated $15,000 bonds for water-works improvements. L. Nicholson, Supt. Noted Nov. 30.

Okla., Norman—City voted $10,000 bonds. Part proceeds to be used to improve water-works. J. M. Wise, City Clk.

Wash., Ellensburg—Ellensburg Gas and Water Co. plans filter plant. W. W. Seymour, 324 Tacoma Bldg., Tacoma, Pres.

Wash., Seattle—Water Bd. recommended to Council to rebuild entire water supply in Ballard Dist., also mains in portions Kilbourne St. L. B. Youngs, Supt.

Ont., Brantford—Water Comn. plans to increase and purify water supply. F. Frank, Chn.

B. C., New Westminster—City plans bond issue to build water-works. J. Aukes, Supt.

Bids In and Contracts Awarded

N. Y., Sonyea—P. J. Lang, Pres. Bd. Mgrs. Craig Colony for Epileptics, let contract additions and improving water system at Colony to C. A. FOOTE, Mt. Morris, $20,683. Noted Nov. 9.

Penn., Erie—(Official)—Bd. Water Comrs. let contract 20,000,000-gal. pumping engine and 600 tons c.-i. pipe and fittings to R. D. WOOD & CO., Camden, N. J.; 24-in venturi meter to SIMPLEX VALVE AND METER CO., 112 North Broad St., Phila.; gate valves to EDDY VALVE CO., Waterford, N. Y. Chester & Fleming, Union Bank Bldg., Pittsburgh, Engr. Noted Nov. 23.

Penn., Philadelphia—Dept. Pub. Wks. let contract laying c.-i. water pipe on Rockland St. and Northeast Blvd. to McNICHOL PAVING AND CONSTRUCTION CO., 1923 Cherry St., $84,590. Laying foundations and piping at Lardner's Point and Queen Lake pumping stations to F. J. BOAS, 201 North Broad St., $37,953.

Fla., Plant City—Bd. Pub. Wks. let contract water-works to H. O. HOBBS, $4,965. Noted Mar. 9.

Tenn., Knoxville—City Comn. let contract horizontal pump to HOOVER, OWERS & RENTSCHLER CO., Hamilton, Ohio, $87,000.

Ohio, Cleveland—National Artificial Silk Co., 735 Central Ave., let contract filteration plant at 1000 Walworth Ave., to J. L. STEWART, 915 Illuminating Bldg., $7,500. Noted Dec. 14.

Ohio, Cleveland—F. H. Stephenson, Engr., c-o E. Shattuck, Comr. Purchases and Supplies, 219 New City Hall, let contract excavation Baldwin Reservoir, 125,000,000-gal. capacity to F. R. JONES, West 84th St. and Crescent Ave. About $250,000. Noted May 25.

Ohio, East Palestine—See item under "Light, Heat and Power."

Ohio, Shaker Heights—(Cleveland post office)—Village let contract water mains in portion North Moreland Blvd. to S. A. HADDAD, Cleveland. Noted Nov. 9.

Mich., Ann Arbor—City to extend water system by day labor. About $75,000. R. Spokes, Supt. Noted Nov. 16.

Mich., Holland—City to build 1,000,000-gal. reservoir by day labor. About $17,000. R. B. Champion, Supt. G. S. Williams, Ann Arbor, Engr. Noted Oct. 12.

Ill., River Forest—(Chicago post office)—City let contract improving water system to SULLIVAN MACHINERY CO., 122 South Michigan Ave., Chicago, $4,250. Noted Nov. 2.

Minn., Eveleth—City let contract 13,600 ft. of 16-in. c.-i. water main, to LAWRENCE & McCANN CO., $90,000.

Minn., Minneapolis—Aaron Carlson, Central Ave., let contract drilling deep well to S. SWENSON ARTESIAN WELL CO., 1323 Washington Ave. N.

N. D., Fargo—City let contract water mains in 11th and 2nd Ave. and 2nd St. to C. H. PORRITT.

N. D., Minot—City let contract drilling 10-in. well to S. SWENSON ARTESIAN WELLS CO., 258 Plymouth Ave., N., Minneapolis, Minn., $8.50 per ft.

Utah, Salt Lake City—City received low bid pumping station from R. C. Green, $14,960. Noted Nov. 30.

Ore., Astoria—Astoria Water Comn. let contract furnishing 2,000 ft. 6-in. c.-i. water pipe to OREGON IRON AND STEEL CO., Concord Bldg., Portland.

Water-Works (Continued)

Ore., Portland—City received low bid pump at Washington Park pumping station from Thompson Hydraulic Engine Co., $4,107.

Calif., Whittier—City received low bid water pipe from National Cast Iron Pipe Co., Sheldon Bldg., San Francisco, as follows: 2,624 ft. 10-in., 2,656 ft., 8-in., 1,568 ft. 6-in., Class "B," c.-i. pipe, $45.10 per ton; 4964 ft. 4-in. Class "B" pipe, $48.10 per ton; c.-i. pipe fittings, $72.60 per ton. Noted Nov. 30.

P. E. I., Charlottetown—City let contract pumping outfit to CANADIAN FAIRBANKS-MORSE CO., Montreal, Que.

SEWERS

Proposed Work

Mass., Lowell—City plans sewer in portion Varnum Ave. About $25,000.

N. Y., New York—(Bronx)—Boro. Pres., Municipal Bldg., Crotona Park, Tremont and 3rd Ave., receiving bids Dec. 28 sewers portions Throgs Neck Blvd., Layton Ave. and Eastern Blvd. D. Mathewson, Pres.

N. Y., New York—(Queens)—Boro. Pres., Queens Subway Bldg., Hunterspoint and Van Alst Ave., Long Island City, receiving bids Dec 29 sewers in portions Collins, Chichester, Oxford, Portland, Herald, Guoin, Atlantic, Lyon, Astoria Ave., Adriatic, 45th, Humphrey, McIntosh, Parcell St., Etna Pl. and Fresh Pond Rd. M. E. Connolly, Pres.

N. J., Mt. Morris—State Asylum for Insane plans disposal plant. About $40,000. B. D. Evans, M. D., Supt.

Penn., Allentown—(Official)—A. L. Reichenbach, Mayor, 39 North 7th St., receiving bids Dec. 26 storm water sewers in portions Tilghman, East Maple and East Clair St., Sumner Ave. and Oak and Howard Relief Sewers. (See adv.)

Penn., Franklin—Council making plans trunk sewer. J. Snow, City Engr.

Va., Richmond—Laburnum Corp. plans storm sewer system in Laburmun Park. About $12,000.

W. Va., Fairmont—City voted $30,000 bonds to extend and improve sewer system. S. B. Miller, City Engr. Noted Nov. 2.

N. C., Wilmington—City plans sewer portion Meadow St. D. L. Struthers, City Engr.

Ga., Cave Springs—City sold $20,000 bonds to build sewer and water systems. Noted Sept. 14.

Ga., Lithonia—See item under "Water-Works."

Fla., Tampa—City plans sewer in Parker St. R. D. Martin, City Engr.

Tenn., Kingsport—Kingsport Sewer Co., recently incorporatetd with $50,000 capital stock, plans sewer system.

Ky., Lewisville—City soon receives bids 7-in. sewer portion Preston St. About $30,000. D. R. Lyman, City Engr.

Ohio, Amherst—City receiving bids Jan. 23 sanitary sewer system in West Martin Ave. and West Side. About $8,000. A. G. Menz, City Clk. Noted Dec. 7.

Ohio, Canton—Council passed ordinance sanitary sewers in portions Clyde Pl. and Bedford Ave. W. E. Sarver, City Engr.

Ohio, Centerburg—Village votes Dec. 30 on $9,000 bonds to build sewage works.

Ohio, Cincinnati—Hamilton County made plans Mt. Auburn Sewer Dist. No. 1. About $500,000. Address County, Cincinnati.

Ohio, Elyria—City plans sewer in Sewer Dist. No. 2. C. M. Theobald, City Engr.

Ohio, Ironton—City plans sanitary sewer in 5th and Vine St. L. G. Howell, City Engr.

Ohio, Lima—City plans voting on $500,000 bonds to repair sewer system and disposal plant.

Ohio, Marion—City plans storm and sanitary sewers in Boone and Neal Ave. E. S. Oult, City Engr.

Ohio, Piqua—City plans sanitary sewer in Water St. A. Schroeder, City Engr.

Ohio, Sidney—City soon to let contract extending sanitary sewer. About $20,000. T. Blake, City Engr. Noted Oct. 26.

Ohio, Wauseon—State Bd. Health approved plans sanitary sewer system. G. Champe, Toledo, Engr.

Ohio, Youngstown—City plans sewer in Cooper Ave. F. M. Lillie, City Engr.

Ohio, Youngstown—City plans sewer in Hunter Ave. F. M. Lillie, City Engr.

Ohio, Youngstown—City plans sewer in Smithfield St. F. M. Lillie, City Engr.

Ind., Gary—City making plans sewers on West Side. Contract let in spring. About $250,000.

Ind., Lafayette—Bd. Pub. Wks. approved plans sewer laterals from main trunk line 6th Ward H. C. Overesch, City Engr.

Ind., Mishawaka—City plans sewers in West 10th and 13th St. C. Cole, City Engr.

Mich., Buchanan—City retained J. W. Toyne, Engr., South Bend, Ind., to make plans sanitary sewer system. Election in March to vote on bonds. Noted Nov. 9.

Mich., Escanaba—City having plans made sewage works in Stephenson Wells and Corcoran Sewage Dists. W. J. McDonald, City Engr.

Ill., Lincoln—City plans sewers in Wyatt Ave. and McLean St. About $4,860. W. C. Bates, City Engr.

Wis., Baraboo—City plans sewer in Rosaline St. H. E. French, City Engr.

Wis., Milwaukee—City plans to spend $1,460,000 for sewers during 1917. G. Stall, City Engr.

Ia., Burlington—(Official)—City receiving bids Jan. 4 sewer system in Hill Dist. About $40,000. C. E. Waterhouse, City Engr. Noted Oct. 19.

Ia., Wilton—City plans sewer system.

Kan., Winfield—(Official)—City making plans 1,750,000-gal. rein.-con reservoir.

N. D., Velva—City making plans sewer system.

Mont., Billings—City plans trunk sewer system. E. M. Sneckenberger, City Engr.

Mo., Carl Junction—City soon lets contract sewer system. A. W. McDowell, City Clk. Noted Nov. 16.

Mo., Higginsville—City receiving bids about Jan. 1 sewer system and disposal plant. About $50,000. Noted Dec. 7.

Mo., Joplin—(Official)—City plans sewage works. J. J. McAfee, City Engr.

Mo., Sikeston—(Official)—City receiving bids Dec. 22 extending sewer system. Noted Nov. 23.

Tex., Palestine—(Official)—City making plans sewer system and disposal plant. Noted Dec. 14.

Okla., McAlester—City plans sewers in Sewer Dist. No. 44. A. H. Kendrick, City Engr.

Okla., Yunne Wood—City plans sewers.

Idaho, Orafino—Council accepted plans sewer system. About $35,000. Sawyer Bros., Spokane, Wash. Noted Dec. 7.

Wash., Everett—(Official)—Council receives bids some time in March sewer in portion alley between Hoyt and Rucker Ave. H. Mummy, Jr., City Engr. Noted Nov. 30.

Calif., Los Angeles—Council passed ordinance sanitary sewers in Fountain Ave. and Seward St. Dist. H. Hamlin, City Engr.

Calif., Sacramento—Council passed ordinance sewers in Block 4, Boxler Tract, and alley south of Park Ave., also in 38th St. F. C. Miller, City Engr.

Calif., Santa Ana—City soon votes on $60,000 bonds to install outfall sewer to ocean.

Bids In and Contracts Awarded

Mass., Springfield—City rejected bids for Tatham sewer. Work will be done by day labor. F. H. Clark, City Engr.

N. Y., New York—(Richmond)—(Official)—C. D. Van Name, Boro. Pres., St. George, let contract sanitary sewer in portion Oxford Pl., to J. JOHNSON'S SONS, 455 Broadway, West New Brighton. Noted Nov. 30.

N. J., Palisades Park—Mayor and Council, Borough Hall, let contract complete sewer system to E. ENGLISH, Englewood, $25,264. Noted Nov. 23.

Pa., Donora—Council let contract sewer in South Donora to DONORA CONSTRUCTION CO., 1st and 2nd St., Donora.

Ohio, Marion—City let contract sanitary and storm sewer in Pleasant St., Cheney and Clover Ave. to KOHBARGER & HOYLES, $5,975; and Quarry and Patterson St. to F. DARST, $4,644. Noted Aug. 17 and Oct. 5.

Ohio, Shaker Heights—(Cleveland post office)—City let contract storm and sanitary sewers in Kemper Rd. to S. A. HADDAD, Cleveland. Noted Dec. 14.

Ohio, Tiffin—Bd. Pub. Ser. received low bid North Sandusky St. sewer from G. Stewarts, $5,867. Noted Dec. 7.

Ind., Indianapolis—Bd. Pub Wks. let contract sewer Arsenal Ave. to COLUMBIA CONSTRUCTION CO., Indianapolis; Lambert St. and Blaine Ave. to SHEEHAN CONSTRUCTION CO., 2102 Columbia Ave. Noted Dec. 7.

Wis., Cuba—City let contract sewer system to E. H. HARDIN, Racine, $25,000.

Ia., Burlington—City received low bid sewer in Doemland St. from M. W. Daly. Noted Dec. 14.

Ia., Fayette—City let contract sewer to COMSTOCK & HANSON, Oelwein, $18,211. Noted Nov. 16.

Minn., Mankato—(Official)—City let contract sanitary sewer portion Vine St. to LUNDIN BROS., Mankato, $5,545. Noted Nov. 30.

N. D., Fargo—City let contract sewer in 9th St. to AIKEN CONSTRUCTION CO.

Mo., Kansas City—Bd. Pub. Wks. let contract sewer in 33rd and Elmwood Ave. to W. C. MULLINS, 1230 Montgall St., $86,000.

Mo., Kansas City—City let contract Sewer Dist. No. 413, Div. No. 3, to J. T. COUSINC, 1006 Olive St., $15,791.

Tex., Dallas—City let contract storm sewers in San Jacinto St. to L. R. CABELL, $8,454. Noted Dec. 7.

Tex., Lockhart—City let contract sewer system to MURPHY CONSTRUCTION CO., Texarkana, $34,400. Noted Dec. 7.

Tex., Quanah—City let contract sewer system and disposal plant to W. ELDRIDGE, Dallas, $24,358. Noted Nov. 9.

Okla., Stillwater—City let contract 5,590 ft. 10-in. sewer to T. GUDGEL, Stillwater, $9,550. Noted June 15.

Utah, Ogden—City let contract storm sewer in portion Madison Ave. to GIBBONS & REED, Salt Lake City, $23,607. Noted Dec. 7.

Utah, Salt Lake City—R. C. Green submitted low bid pump house for main trunk sewer at 8th North and 11th West St. at $14,960. Noted Nov. 30.

Wash., Ft. Flagler—City let contract sewer to H. A. COTTON, Port Townsend, $5,750.

GARBAGE

W. Va., Fairmont—City voted $5,000 bonds to build incinerator. A. Bowen, Mayor. Noted Mar. 2.

Tenn., Chattanooga—Dept. Water and Sewers, Municipal Bldg., receiving bids Jan. 2 incinerator. E. D. Bass, Comr. Noted Nov. 30.

Ont., Ottawa—City to submit $50,000 by-law at January election garbage incinerator.

STREETS AND ROADS

Proposed Work

Mass., Marblehead—Marblehead Bd. of Trade plans shore boulevard.

Mass., Salem—City plans to extend Salem St. G. F. Ashton, City Engr.

Mass., Worcester—City plans to widen Belmont St. F. A. McClure, City Engr.

Ct., Manchester—City plans concrete sidewalks. About $22,500. J. F. Bowen, City Engr.

Ct., Willimantic—City plans to spend about $33,000 street improvements next year. R. E. Mitchell, City Engr.

N. Y., New York—(Bronx)—Boro. Pres., Municipal Bldg., Crotona Park, Tremont and 3rd Ave., receiving bids Dec. 28 improving portions Unionport Rd., Amethyst St. and Olmstead Ave. D. Mathewson, Pres.

N. Y., New York—(Brooklyn)—Boro. Pres., Borough Hall, receiving bids Dec 27 improving portions Benson, Caton, Ave. D, Ovington Ave., East 10th, East 12th, East 17th, East 34th, Powell, Tapscott, West 31st, 54th, 94th St., 400,000-gal. refined asphalt, liquid form; 200-ton, 2,000-lb. each, refined asphalt, containing packages; 60,000 "Grade 1" granite paving blocks; 6,000 bbls. portland cement; 2,200 tons limestone or other suitable inorganic dust; 20,000 sq.ft. bluestone flagging, 1,000 cu.yd. paving gravel; 13,000 gal. residuum oil; 300 tons paving pitch; 12,000 cu.yd. asphalt sand; 4,000 cu.yd. paving sand; 4,000 cu.yd. binder stone; 4,000 cu.yd. 1½-in broken stone for concrete L. H. Pounds, Pres.

N. Y., Goshen—Bd. Supervs. Orange County approved plans to improve road through Washingtonville. County's share of cost, $12,005. Address County Clk., Goshen.

N. Y., Gowanda—Village plans to pave 3rd St. concrete. About $14,000. F. J. Herzog, Clk.

N. Y., New York—(Richmond)—Boro. Pres., Borough Hall, St. George, New Brighton, Staten Island, receiving bids Dec. 29 repaving portions Water, Thompson and Front St. C. D. Van Name, Pres.

N. Y., Penn Yan—Yates County plans to improve 10 mi. Penn Yan-Potter Center Highway, about $100,000; 2.7 mi. Penn Yan-Willow Grove Highway, $15,000; Italy Hollow-Naples Highway $4,000. Address County Clk., Penn Yan.

N. J., Atlantic City—City made plans and soon receives bids boulevard entrance at Virginia, Adriatic and Indiana Ave., Venice Park. Project includes curbs, driveway and bridges. About $100,000. J. N. Hackney, Engr. Noted Nov. 9.

N. J., Collingswood—Borough plans to spend $140,000 paving. J. Remington, Haddonfield, Engr. Noted July 13.

N. J., Freehold—(Official)—Bd. Freeholders Monmouth County, Court House, receiving bids Jan. 10, Sec. Keyport-RedBank Rd. warrenite with concrete base, Raritan and Holmdel Townships, 24,381 sq.yd. surface and same amount foundation. C. E. Close Freehold, County Clk. G. D. Cooper, 60 Broad St., Red Bank, Engr. Noted Nov. 2. (See adv.)

N. J., Hackensack—Bd. Freeholders Bergen County sold $608,000 bonds to improve roads. Address Clk., Hackensack.

N. J., Salem—Salem County receiving bids about Jan. 1, 2 mi. amiesite road on 6th Sect. Malage and Penns Grove Rd. H. B. Keasby, Engr.

N. J., West Orange—Town plans to curb, gutter and pave portions Oxford Terrace and Orange Heights and Tremont and Gregory Ave. G. W. Foster, Clk.

Pa., Beaver—Beaver County plans to improve 14 mi. desert road on Lincoln Highway. About $300,000. Address County Clk., Beaver.

Pa., New Eagle—Borough made plans 2,780 lin. ft. brick paving on Main, Pine and Hemlock St. About $20,000. A. L. McVickar, Monongahela, Engr. Noted Oct. 19.

Pa., Pittsburgh—City plans to curb and pave portion South Side Ave. About $19,000. E. J. Martin, City Clk.

Pa., Scranton—Dept. Pub. Wks. plans to curb and pave Columbia and Delaware St. and Irving Ave., asphalt and stone block. About $54,589. W. Schunk, City Engr.

Md., Baltimore—City plans to widen Garrison Lane between Edmondson Ave. and Baltimore St. R. M. Cooksey, City Engr.

Streets and Roads (Continued)

Va., Rustburg—Campbell County, Deneca Dist. making plans improving roads. About $20,000. Address County Clk., Rustburg. Noted May 18.

N. C., Burgaw—Pender County receiving bids in January, 50 mi. road. About $30,000. Address County Clk., Burgaw. Noted Nov. 2.

Fla., Bartow—Polk County votes in December on $325,000 bonds to build 50-mi. road in Winter-Haven Special Rd. and Bridge Dist. Address County Clk., Barstow. Noted Aug. 31.

Fla., Jacksonville—City plans to pave portion Elm and Center St., brick. T. H. Landon, City Engr.

Fla., Panama City—(Official)—Bay County voted $375,000 bonds to build system of improved roads. Bids about Feb. 1. G. Sumner, Panama City, Engr. Noted Sept. 28.

Ala., Birmingham—Jefferson County soon receives bids on revised plans 15 mi. high-way from Wylam to Warrior River near mouth Deer Creek or Fish Trap Branch. G. H. Clark, Birmingham, City Engr. Noted Nov. 9.

Miss., Lexington—Highway Comrs. Rd Dist. No. 5, Holmes County, receive bids about Jan. 1, Tchula-Cruger Highway, about 19.5 mi. J. H. Fuqua, Lexington, Clk.

Ky., Bardstown—Nelson County to sell $55,000 bonds to build roads. Address County Clk., Bardstown. Noted Apr. 27.

Ky., Franklin—City plans election to vote on $20,000 bonds to pave streets.

Ky., Irvine—City voted bonds to improve streets.

Ky., Wickliffe—Ballard County to let contract in April, 28 mi. gravel road. About $84,000. G. O. Johnson, County Clk., Wickliffe.

La., Crowley—Acadia Parish, Road Dist. No. 1, votes Dec. 30 on $400,000 bonds to build roads. Noted Nov. 16.

Miss., New Augusta—Bd. Supervs. Perry County voted $200,000 bonds to build roads. Address County Clk., New Augusta.

Ohio, Alliance—City plans to pave Hazen Pd. between Alliance-Marlboro Rd. and Limaville. W. Shidler, City Engr.

Ohio, Barberton—City soon receives bids paving various streets. H. W. Alcorn, City Engr.

Ohio, Bellaire—City plans repaving Belmont St. and grading West Washington St. A. J. Norton, City Engr.

Ohio, Bellaire—City making plans paving Crescent, 29th and Guernsey St. A. J. Norton, City Engr.

Ohio, Bellefontaine—Council petitioned to pave portion Buckingham Ave. brick. C. A. Inskeep, City Engr.

Ohio, Bucyrus—Crawford County soon receives bids improving Weidmeyer Rd. About $28,192. H. Keller, Court House, Bucyrus, Engr.

Ohio, Cincinnati—Hamilton County receiving bids Dec. 29 improvement of Clark and Giben Rd. in Symmes Township. Address County Clk., Cincinnati.

Ohio, Cincinnati—Hamilton County making plans to improve Salem Pike. About $25,000. W. H. Boch, County Surv., Cincinnati. Noted Sept. 28.

Ohio, Cincinnati—City soon receives bids paving portion Madison Rd., wood block, $251,666, brick $203,766. F. S. Krug, City Engr.

Ohio, Cincinnati—City plans improving portion McMillan St. F. S. Krug, City Engr.

Ohio, Cincinnati—City soon receives bids paving Delta and Linwood Ave., asphalt or bitulithic. About $31,414. F. S. Krug, City Engr. Noted Dec. 14

Ohio, Cleveland Height—(Warrensville postoffice)—Associated Investors, Co., making plans improving portion Taylor Rd. and 20,000-sq.ft. stone sidewalk on portion Mayfield Rd. About $160,000. F. A. Pease Engineering Co., Marshall Bldg., Cleveland, Engr

Ohio, Crooksville—(Official)—Citizens defeated $9,000 bonds to improve streets. Noted Dec. 7.

Ohio, Defiance—City soon receives bids paving several streets. About $67,000.

Ohio, Delaware—City soon receives bids paving Liberty St. G. S. Irwin, City Engr.

Ohio, Fremont—City plans resurfacing Front, Garrison and Burchard St., asphalt. C. A. Hochenedel, City Engr.

Ohio, Hamilton—Butler County making plans grading and paving Springdale Pike. About $100,000. Address County Clk., Hamilton.

Ohio, Kent—City receiving bids about Jan. 1, 2,500-ft. brick paving portion Lake St. E. S. Royer, Engr.

Ohio, Massillon—(Official)—City defeated $58,000 bonds improving portion Main St. Noted Oct. 12

Ohio, Matamoras—City receiving bids Dec. 23 improving various streets. D. R. Bradfield, Village Clk.

Ohio, Middletown—City plans to pave portion Park Dr., concrete. W. C. Morrison, City Engr.

Ohio, New Concord—City receiving bids Dec. 30 paving and grading Liberty St. About $65,000. T. E. Connar, 923 Linden Ave., Zanesville, Engr.

Ohio, Springfield—City made preliminary plans paving 22 streets. M. J. Bahin, Ch. Engr.

Ohio, Wooster—City soon receives bids paving Pearl and South College St. H. U. Mowery, City Engr.

Ind., Goshen—City plans to pave portion 8th St., Parkside. J. W. Haverly, City Engr.

Ind., Huntington—Bd. Comrs. Huntington County soon receives bids Beardsley Rittenhouse Rd. in Rock Creek Township. Address County Clk., Huntington.

Ind., New Albany—City plans paving portion Oak St. S. T. Mann, City Engr.

Mich., Benton Harbor—Benton Township, Berrin County, voted $100,000 bonds to build roads. Address County Clk., Benton Harbor.

Mich., Nashville—Village voted bonds to pave portion Main St. Noted Nov. 30.

Ill., Canton—Fulton County plans to improve about 15 mi. State-Aid roads next year. E. F. Motsinger, Canton, County Supt. Highways.

Ill., Catlin—Town plans to pave portion Sandusky St. About $8,000 or $9,000.

Ill., Forest Park—City received no bids paving 12th St and Desplaines Ave. R. E. Williams, 118 North La Salle St., Chicago, Engr. Noted Nov. 16.

Ill., Waukegan—City plans paving Stewart St. About $12,892. M. J. Douthitt, City Engr.

Wis., Chilton—(Official)—City plans election in April to vote on $500,000 bonds to build trunk roads. A. J. Pfeffer, City Clk. Noted Dec. 7.

Wis., Eau Claire—(Official)—Eau Claire County election Apr. 3 to vote on $750,000 bonds to build 110 mi. concrete roads. J. H. Nygaard, Eau Claire, Audr. Noted Dec. 14.

Wis., Portage—City receiving bids in February 40,000 sq.yd. paving, 23,000-lin.ft. curb and gutter, brick, concrete or bitulithic. H. V. Tennant, City Engr. Noted Dec. 14.

Wis., Racine—Bd. Superv. Racine County appropriated $30,257 improving state highways in county and $8,000 maintenance prospective system highways. Work to be done under supervision State Highway Comn., Madison. Noted Apr. 13.

Wis., Shawano—City soon votes on $200,000 bonds to build roads.

Wis., Tomah—Council plans paving, brick, portion McLean, Kilbourn, Superior Ave. and Washington St.

Ia., Grundy Center—(Official)—Bd. Pub. Wks. receiving bids Jan. 8, 45,000 sq.yd. pavement. About $80,000. Noted Nov. 16.

Ia., Storm Lake—City plans to curb and pave Ontario and 4th St., College Ave. and Shore Rd. J. E. Buland, City Clk.

Minn., Albert Lea—State Highway Comn. appropriated $23,100 of Federal Aid fund to Freeborn County. Same will be used to improve main road between Albert Lea and northern county line. Address County Clk., Albert Lea.

Minn., Duluth—St. Louis County plans to spend about $746,000 improving roads next year. O. Halden, Duluth, County Audr.

Minn., Minneapolis—City plans paving portion Washington Ave. F. W. Cappelin, City Engr.

Minn., Montevedeo—Chippewa County plans trunk line road. About $25,000. J. J. Stennes, Montevideo, County Audr.

Minn., St. Paul—Council adopted ordinance appropriating $24,000 paving street intersections on Lexington Ave. from Summit Ave. to Como Pk. Oscar Claussen, City Engr.

Kan., Chatfield—City plans improving Chatfield Pl. B. C. Wells, City Engr.

Kan., Clay Center—(Official)—Council sold bonds for paving various streets. H. G. Van Slyke, Clay Center, County Clk. Noted Dec. 7.

Kan., Hutchinson—City plans to pave about 15,000 sq.yd. 11th St. G. L. McLane, City Engr.

Kan., Kansas City—City receiving bids Jan. 11 improving Matoon and Reedy Rd. M. M. Barclay, Engr.

Kan., Topeka—(Official)—W. S. Gearhart, State Engr., receives bids about May, hard surface highway between Topeka and Kansas City.

N. D., Mandan—Morton County plans to build about 100 mi. highway next year. L. Nichols, Mandan, Audr.

Mont., Great Falls—(Official)—Cascade County voted $200,000 bonds for road construction. Bids about February.

Mo., Chillicothe—City making plans improving portion 9th St., brick and asphalt. J. O. Broddus, City Engr.

Ark., Helena—Phillips County plans concrete road from Henela to Marvell. Address County Clk., Helena.

Ark., Lake Village—Chico Co. plans voting on $250,000 bonds to build highways. Address County Clk., Lake Village.

Tex., Anardarko—Caddo County plans election to vote on bonds to build 11 mi. hard surfaced roads. Address County Clk., Anadarko.

Tex., Beeville—Bee County plans Eagle Pass Highway between Eagle Pass and Rockport, about 240 mi. Address County Clk., Beeville.

Tex., Brady—McCulloch County, Boca Dist., voted $16,000 bonds to build roads. Address County Clk., Brady. Noted Nov. 23.

Tex., Brady—McCulloch County, Melvin Dist., voted $30,000 bonds to build 20 mi. road. Address County Clk., Brady. Noted Nov. 23.

Tex., Dallas—City plans to pave portions 5th, 10th and Montreal St. H. Moseley, City Engr.

Tex., Canyon—Randall County plans election to vote on $100,000 bonds to build roads. Address County Clk., Canyon.

Tex., Denton—City soon lets contract paving 15,000 sq.yd., macadam. J. S. Neibert, City Engr.

Tex., Galveston—Galveston County soon let contract 43,700 sq.yd. asphalt paving and for labor only on 2,300 sq.yd. brick paving. Address County Clk., Galveston.

Tex., Houston—Council plans sidewalks on portion House St.

Tex., San Angelo—City plans to issue $25,000 bonds to repave number streets, wood block. H. M. Garden, City Engr.

Tex., San Antonio—Jones Ave. Impvt. Com. plans to improve 2 mi. Jones Ave. and to bear part cost. O. O. Luter, Secy. A. C. Pancoast, City Engr.

Tex., Snyder—City plans to pave Public Sq. and principal streets.

Okla., Chickasha—Grady County plans issuing $1,000,000 bonds to build hard surface roads. Address County Clk., Chickasha.

Okla., Curtis—(Official)—Curtis Township defeated bonds to build roads.

Okla., Tahlequah—Cherokee County election Dec. 22 to vote on $50,000 bonds to build roads. J. R. Miller, Tahlequah, Clk. Noted Dec. 7.

Idaho, Challis—Custer County voted $100,000 bonds to build roads. Address County Clk., Challis. Noted Sept. 14.

Ariz., Tucson—Bd. Supervs. Pinal County appropriated $20,000 to build road from Pinal County line to camp of Daily Arizona Consolidated Mining Co. Address County Clk., Tucson.

Wash., Bellingham—Council plans improving portion Cornwall and Kentucky Ave. W. H. North, City Engr.

Wash., Seattle—City and Park Bd. plans to improve 1½ mi. Cheasty Blvd. A. H. Dimock, City Engr. R. Cotterill, Secy. Park Bd.

Ore., Astoria—City Rd. Dist. appropriated $17,000 to improve road leading from city around Smiths Point. G. T. McCrean, City Engr.

Ore., Hillsboro—Washington County, 30 road districts, voted $55,000 to build roads next year. E. C. Luce, Hillsboro, Clk.

Ore., The Dalles—Wasco County Court Advisory Bd. retained J. A. Elliott, Engr., Rowena, to make plans road work next year. About $260,000 bonds to be sold. L. B. Fox, The Dalles, Clk. Noted Dec. 7.

Calif., Bakersfield—City soon lets contract paving portions 23rd and Summer St., asphalt; also building concrete curbs, cement sidewalks and culverts. R. B. Ray, City Engr.

Calif., Bakesfield—Kern County sold $500,000 bonds to build highways. Address County Clk., Bakersfield.

Calif., Brawley—City plans road to connect Glamis with Blythe and Ehrenberg, Ariz. Address City Engr.

Calif., Colusa—City Trustees passed resolutions to grade and gravel portions Jay, 9th, Oak, Parkhill St. and concrete sidewalks on 6th St.

Calif., Hanford—City plans to curb and pave portions Harris, Parks, Ivy and 7 other streets, concrete; also reln.-con. storm sewer portions Pouty, Ivy, Bush and other streets. E. M. Lynch, Glendale, Engr. Noted Dec. 7

Calif., Martinez—Contra Costa County making plans concrete highway from Walnut Creek northerly about 11 mi. R. R. Arnold, Martinez, County Supervr.

Calif., Riverside—Riverside County plans 4 mi. concrete road in Beaumont Dist. About $40,000. C. R. Twining, Riverside, Engr.

Calif., Sacramento—Highway Comn. of Sacramento County plans 1.75 mi. road on Randall Island. Address County Clk., Sacramento. Noted Oct. 26.

Calif., Stockton—City plans to improve streets in district bounded by South, Aurora and 9th St. and Toll Rd., curbing, guttering, sidewalks and paving, macadam. H. T. Compton, City Engr.

Calif., Willows—Glen County, Mendocino County and Forest Service plan highway from Willows to coast. Address County Clk. of Glen County, Willows.

Ont., Niagara Falls—City plans widening portion Queen St.

Ont., Ottawa—City plans Ottawa-Prescott Highway, concrete.

B. C., Delta—MacDonald & Burmett, New Westminster, made survey road from Reit Rd. to American boundary around English Bluff. N. McDarmid, City Clk.

B. C., North Vancouver—Council plans improving Keith Rd. About $8,450.

Bids In and Contracts Awarded

N. Y., New York—(Brooklyn)—(Official)—L. H. Pounds, Boro. Pres., Boro. Hall, let contract improving portion West 15th St. to CRANFORD CO., 52 9th St., rejected bids improving East 34th St. Noted Nov. 30.

N. Y., New York—(Richmond)—(Official)—C. D. Van Name, Pres., Borough Hall, St. George New Brighton, let contract improving portion Elliott Ave., to J. E. DONOVAN, 2205 Richmond Terrace, Port Richmond, $8,754. Noted Dec. 14.

Streets and Roads (Continued)

N. Y., Rochester—Bd. Contract and Supply let contract paving Marshall St., asphalt, to WHITMORE, RAUBER & VICINUS, $18,281; paving Howell St., asphalt, to ROCHESTER VULCANITE PAVEMENT CO., $15,858.

N. J., Newark—(Official)—Bd. Street and Water Comrs. received low bid improving portions 4th and North 2nd St. from C. S. CARRICINO, Hawthorne Ave. About $7,000. Noted Dec. 7.

N. J., Salem—(Official)—Bd. Freeholders, Salem County, let contract 2nd Sect. Malaga-Pennsgrove Rd., to FOX & POWELL, Ocean City, $15,696. Noted Nov. 23.

Pa., McKeesport—Council let contract paving and grading portion Irwin St. to P. F. RHOADES & SON, 810 Walnut St., Versailles. About $32,000. Noted Nov. 2.

W. Va., Bluefield—Council let contract resurfacing East Princeton Ave. to R. F. BAKER, $9,500.

W. Va., Keyser—Mineral County let contract 4-mi improved road to H. W. KAYLOR, Hagerstown, Md., $85,000.

W. Va., Lewisburg—Greenbrier County let contract 7 mi. concrete highway to SANDS & CLINE, Weyers Cave, Va.

N. C., Wilmington—(Official)—City plans to pave Front St. by day labor. D. L. Struthers, City Engr. Noted Dec. 7.

S. C., Florence—City let contract macadam paving on Church St. to L. MORGAN JOHNSON, Arlington, Va. Noted Oct. 19.

Fla., DeLand—Volusia County let contract 9 mi. asphalt paving DeLand-Daytona Rd. to F. G. PROUDFOOT. Noted Nov. 2.

Fla., Ormond—Bd. Trustees let contract paving to ALABAMA PAVING CO., Birmingham, Ala., $1.38 per yd. Noted Nov. 9.

Ky., Ashland—City let contract grading and paving to HUNT-FORBES CONSTRUCTION CO., Gaylord Bldg., $40,000.

Ky., Franklin—Simpson County let contract 9 mi. pike on Springfield Rd. to C. HENSON.

Ky., Harrodsburg—City let contract improving various streets (state aid), to R. M. BRAWNER.

Ohio, Columbus—State Highway Comm. relet contract building 7.46 mi. Old National Pike in Guernsey County to H. RENICK. Road to be built on force account plan.

Ohio, Marion—Marion County let contract paving roadways 25 bridges to MODERN CONSTRUCTION CO., Fremont; 10 bridges, STANDARD ENGINEERING CO., Toledo; 6 bridges to OHIO CONCRETE SUPPLY CO., Fremont. Bonds for $36,000 recently sold for work.

Ohio, Napoleon—Henry and Wood Counties let contract county line road to GAGHAN, McCLURE & STROHL, Custar, $15,213; Henry-Fulton County Rd. to O. L. SMITH, Leipsic, $6,211. Noted Nov. 30.

Ohio, Norwalk—Huron County let contract 3 mi concrete road to A. J. FRUNCH, Wakeman, $37,000. Noted Nov. 30.

Ohio, Shaker Heights—(Cleveland post office)—Village let contract improving North Moreland Blvd., to S. A. HADDAD CO., Cleveland. Noted Nov. 2.

Ohio, Shaker Heights—(Cleveland post office)—City let contract improving portion Kemper Rd. to S. A. HADDAD CO., Cleveland. Noted Dec. 7.

Ohio, Wilmington—Clinton County let contract 5 mi. macadam paving on Wilmington-Hillsboro Rd. in Green Township, to BEAN & CO. Highland, $20,849.

Ind., Connersville—Fayette County let contract gravel road in Posey Township to G. M. HOOPES, Anderson, $17,944. Noted Nov. 23.

Ind., Delphi—Carroll County Comrs. let contract gravel road in Madison Township to C. T. MINNEX, Flora, $4,000. Noted Nov. 30.

Ind., Kokomo—Howard County comrs. let contract stone road in Howard Township to J. H. WATSON & CO., $11,771. Noted Nov. 23.

Ind., Vincennes—Knox County Comrs. let contract 7,128-ft. gravel road to C. W. BEARD, Oaktown. Noted Nov. 30.

Ind., Warsaw—Kosciusko County let contract concrete road in Van Buren Township to HUTTON HARRIS CO., North Vernon, $35,618. Noted Nov. 30.

Mich., Flint—(Official)—City will pave streets by day labor. Noted Dec. 7.

Ill., Rock Island—Bd. Local Impvts. let contract paving portion 20th St. to TRI-CITY CONSTRUCTION CO., Davenport, Ia., about $8,657. Noted Nov. 2.

Ill., Springfield—City let contract paving portion West Grand Ave. to J. E. BRETZ, 224 East Union St., $12,072. Noted July 20.

Ia., Des Moines—City let contract grading portion 6th Ave. to G. O. THOMPSON. Noted Nov. 23.

Kan., Beloit—(Official)—City received low bid 40,600 sq.yd. paving from McGuire & Stanton Construction Co., Leavenworth, $104,860, 2½-in. brick and $109 732, 3-in. brick.

Neb., Havelock—City let contract paving Dist. No. 3 to ABLE CONSTRUCTION CO., Lincoln.

Neb., Lincoln—City let contract paving Woodcrest Addition to MARTIN CONSTRUCTION CO., about $50,000.

Mo., Maplewood—Bd. Pub. Impvts. let contract paving Lanham Ave. to CARBON CONSTRUCTION CO., $4,000.

Mo., Sedalia—Special Rd. Dist No. 12 let contract macadam road to L. CARPENTER. W. H. Powell, 215 East Broadway, Comr.

Tex., Dallas—City Comn. let contract paving portion 12th St. to STANDARD ENGINEERING AND CONSTRUCTION CO., about $56,470. Noted May 4.

Tex., Dallas—City let contract paving Commerce St. Viaduct to TEXAS BITULITHIC CO., $2.55 per sq.yd.

Tex., Dallas—City Comn. let contract paving portion Harrison Ave. to STANDARD ENGINEERING AND CONSTRUCTION CO., about $11,333; Hibernia St., VIBROLITHIC CONSTRUCTION CO., about $8,875; Woodlawn Ave., WESTERN PAVING CO., $4 900.

Idaho, Lewiston—Nez Perce County let contract surfacing Lewiston Hill Highway to G. H. KESTER, $26,532.

Wash., Camas—City let contract improving 4th St. to UNITED CONSTRUCTION CO., $13,964.

Wash., Mt. Vernon—(Official)—City let contract paving 4th St., N. and Highland Ave. to SKAGIT CONSTRUCTION CO., Mt. Vernon, about $21,814. Noted Nov. 4.

Calif., Bakersfield—Kern County let contract paving portion Bakersfield-Taft Rd. to G. S. BENSON & SONS, $17,720. Noted Nov. 30.

Calif., Daly City—City received bids street improvements Vista Grande Tract No. 3 from Ransome-Crummey Co., First National Bank Bldg., Oakland, $15,874, and McGillivray Construction Co., 717 Capitol National Bank Bldg., Sacramento, $16,181.

Calif., Los Angeles—City let contract improving Seneca Ave. to W. LIDDINGTON, 420 East 6th St., about $8,209.

Calif., Los Angeles—City let contract improving portion 1st St. to FAIRCHILD-GILMORE-WILTON CO., Pacific Electric Bldg., about $6,681. Noted Dec. 14.

Calif., Los Angeles—City let contract improving portion Kent St. to H. M. WELLS, about $8,008.

Calif., Pasadena—City let contract paving portion Madison Ave. to J. E. HADDOCK. Noted Nov. 30.

Calif., San Diego—City let contract improving portion Madison Ave. to G. R. DALEY, 105 McNeece Bldg., about $16,360.

Calif., San Francisco—(Official)—City to pave portion Battery St., wood block, by day labor. Noted Nov. 23.

Calif., San Rafael—(Official)—Bd. Supervs. Marin County let contract improving Bolonas-San Rafael Highway to S. P. BROWNLEE, Kentfield, $9,435. Noted Nov. 30.

Calif., Santa Ana—(Official)—Orange County rejected bids Brea-Olinda Rd. Noted Nov. 23.

Calif., Santa Ana—City let contract 3 mi. coast boulevard to L. G. GARNSEY, 108 West 6th St., Los Angeles, $16,814. Noted Dec. 7.

Calif., Upland—City let contract improving portion Mountain Ave. to W. C. CLINE and E. ROBBINS, Upland, about $25,305. Noted Dec. 14.

Calif., Ventura—Ventura County let contract improving Div. 4. Piru to county line road to MESMER & RICE, Marsh-Strong Bldg., about $14,266.

INDUSTRIAL WORKS

Proposed Work

Vt., Rutland—Dodge Bros. granted permit 118x310-ft. warehouse. About $300,000.

Mass., Boston—Daniel Russel Boiler Works plans 1-story boiler factory. Monks & Johnson, 78 Devonshire St., Arch.

R. I., Woonsocket—Gold Mark Knitting Co., 83 Railroad Ave., plans 3-story, 43x105-ft. mill. W. F. Fontaine, 285 Main St., Arch. Noted Nov. 30.

N. Y., Bluff Point—Hotel Champlain Co., c/o M. Weatherwax, D. & H. Bldg., Albany, making plans 3-story Laundry. $30,000.

N. Y., Buffalo—Buffalo Foundry and Machine Co., East Ferry St. and Fillmore Ave., making plans 3-story, 53x243 ft. storage building and pattern shop. About $50,000. R. J. Reidpath & Son, Builders' Exchange, Arch.

N. Y., Buffalo—Houck Manufacturing Co., 1700 Elmwood Ave., plans 2 factory buildings, 3-story, 300x60 ft. R. J. Reidpath & Sons, Builders' Exchange Bldg., Arch.

N. Y., Buffalo—Pierce Arrow Motor Co., 1665 Elmwood Ave., plans 1-story factory, $10,000.

N. Y., Cobleskill—New York State School of Agriculture plans dairy. About $35,000. L. F. Pilcher, Capitol, Albany, Arch.

N. Y., New York—(Bronx)—American Silk Label Manufacturing Co., 169th St. and Park Ave., plans factory. Timmins & Chapman, 315 5th Ave., Arch.

N. Y., New York—(Brooklyn)—Long Island State Hospital, care of State Hospital Comn., Albany, receiving bids Dec. 27, 2-story, 44x100-ft. brick storehouse and cold-storage building in Clarkson St. About $50,000. L. F. Pilcher, Albany, State Arch.

N. Y., New York—(Manhattan)—(Official)—Century Pump and Machine Co., 426 3rd Ave., receiving bids 1-story brick factory at 6th Ave. and 46th St. Boyle & Prowler, Arch.

N. Y., New York—(Manhattan)—A. W. Smith, c/o Jacobs & Simon, 1307 Broadway, making plans 1-story garage, Hurwitt, Landsman & Bartes, 230 Grand St., Arch.

N. Y., New York—(Richmond)—Proctor & Gamble Mfg. Co., made plans 2-story, 102x160 ft., factory at Port Ivory, $35,000.

N. Y., Rome—Rome Brass and Copper Co., Bouck St. plans 1-story casting shop.

N. J., Camden—Camden Iron Works, Cooper Creek and Line St., made plans 1-story shop, $15,000.

N. J., Camden—New York Shipbuilding Co., 50 Church St., New York, plans to enlarge plant at Camden. About $2,000,000.

N. J., Jersey City—Grymes Engineering Co., Ft. Morris, Jersey City, plans marine and shipbuilding plant. Company now negotiating with City Comn. for lease of about 8 acres South Cove Dist. and proposes initial payment of $100,000 dredging and bulkhead work.

N. J., Jersey City—M. W. Kellogg Co., 117 West-side Ave., making plans 1-story addition, $15,000 McCoy Iron Works, Seaman St., Perth Amboy, Engr.

N. J., Newark—A. Fink & Sons, 129 Belmont Ave., making revised plans 2-story, brick or terra cotta and steel cold-storage and smoke house building, Elizabeth Ave. Glas & Tidestrom, 133 East 16th St., New York, Arch. and Engr.

N. J., Paulsboro—I. P. Thomas, Drexel Bldg., Phila., making plans 3-story factory. About $50,000. Seaboard Construction Co., Witherspoon Bldg., Phila., Arch.

Penn., Bethlehem—Silvex Co., 170 Madison Ave., plans being made, 1-story, 60x135-ft. factory, $35,000. W. F. Barstow & Co., 50 Pine St., New York, N. Y., Arch. Noted July 6.

Penn., Bristol—Rohn & Haas, 2522 South Western Ave., Chicago, purchased land on Delaware River and will build plant.

Penn., Bristol—D. F. Waters, 53 Western St., Phila., plans dye plant on canal.

Pa., Lancaster—Herr & Co., 7 East King St., plans 4-story warehouse. M. R. Evans, 101½ Orange St. Arch.

Penn., Lebanon—Yocum Bros., 4th and Walnut St., plans 2-story factory. G. L. Gerhard & Sons, 619 Penn St., Reading, Arch., $10,000.

Penn., Littlestown—Hanover Creamery Co., 37 York St., plans 1-story, 30x78-ft. ice plant and milk condensory, $10,000. B. C. Starr, Arch.

Pa., Mt. Carmel—H. Schloss, Inc., 41 West Ave., making plans 4-story factory. W. H. Lee, Dime Trust Bldg., Shamokin, Arch., $25,000.

Pa., Phila.—Wilson & Co., c/o W. Starr, 138 North Delaware Ave., made plans 4-story packing house at 827 Callowhill St. C. T. Barnett, c/o owner, Arch. Noted Oct. 12.

Pa., Pittsburgh—Page Bros. & Co., making plans 2-story, 50x225 ft. storage building. About $50,000. Paul Irwin, Renshaw Bldg., Arch.

Penn., Wheatland—American Sheet and Tin Plate Co., Frick Bldg., Pittsburgh, plans box factory. G. C. Kimball, Frick Bldg., Pittsburgh, Engr.

Md., Baltimore—L. Gordon & Sons, 228 North Front St., plans 4-story, 32x160-ft. factory, $10,000. L. Levi, Real Estate Trust Bldg., Philadelphia, Arch.

Md., Baltimore—Rosenbloom & Levy, 718 West German St., made plans 2-story, 40x150-ft. warehouse, $30,000. W. Geiske and F. Thomas, Gunther Bldg., Arch. Noted July 6.

Wash., D. C.—G. S. Zepp made plans six 2-story warehouses, 122-132 Q St., N. E. About $30,000. Speiden & Speiden, 1493 New York Ave., N. W., Arch.

Va., Lynchburg—National Mattress Co. to rebuild factory destroyed by fire. About $12,000. W. T. McNamara, Jr., Pres. and Gen. Mgr.

Va., Norfolk—F. O. Smith Shipbuilding and Drydock Co. plans plant. J. R. Seemer, Gen. Mgr.

Va., Norfolk—Southern Transportation Co., Commercial Trust Bldg., Phila., purchased site on eastern branch Elizabeth River shipbuilding plant. About $200,000.

Va., Richmond—P. Lorillard Co., 119 West 40th St., New York, plans addition to tobacco plant, 23rd and Main St. About $60,000 or $75,000.

Va., Saltville—Mathieson Alkali Co., New York, making plans 1-story plant, about $100,000. G. R. Ragan, Terry Bldg., Roanoke, Arch.

W. Va., North Mountain—Staunton Clay Products Co., Newark, Ohio, plans 80x96-ft., 45x90-ft. and 46x720-ft. plant. K. R. Forry c/o Scheidler Machine Works Co., Newark, Arch. and Constr. Engr. in charge.

N. C., Gastonia—R. G. Rankin plans to organize company with $150,000 capital stock, to build cotton mill.

S. C., Greenville—Saluda Manufacturing Co. will build mill. F. H. & J. G. Cunningham are incorporators.

Fla., Marianna—Marianna Milling Co. to rebuild plant destroyed by fire with loss $20,000.

Ala., Mobile—A. D. Davis Packing Co. to rebuild packing plant destroyed by fire. About $60,000.

Ala., Prichard—H. Peter Davis Packing Co. Mobile, made plans 3-story, 72x167-ft. plant Henschien & McLaren, 37 West Van Buren St. Chicago, Arch.

Industrial Works (Continued)

La., Baldwin—Baldwin Lumber Co. to rebuild mill destroyed by fire with loss of $55,000.

La., Derry—Richards Lumber Co., organized with $200,000 capital stock, plans lumber mill in Natchitoches Parish. T. H. Watkins, Vice-Pres.

La., Monroe—Monroe Hardware Co. making plans 3-story, 100x300-ft. warehouse. About $50,000.

Tenn., Altonpark—Chattanooga Gas and Coal Products Co., Chattanooga, plans 25 byproduct coke ovens. About $500,000.

Tenn., Bristol—Reynolds Corp. plans to rebuild cleanser products plant destroyed by fire with loss of $150,000.

Ohio, Canal Dover—Penn Mold and Manufacturing Co., recently incorporated with $200,000 capital stock, plans foundry, West 3rd St.

Ohio, Cleveland—Cleveland Macaroni Co., 1898 East 89th St., making plans 3-story factory, $100,000. W. J. Watson, 1150 Leader News Bldg., Arch. Noted Nov. 30.

Ohio, Cleveland—Colburn Machine Tool Co., Franklin, Pa., receiving bids in January plant at Cleveland. G. S. Ridder Co., 812 Century Bldg., Arch. Noted Nov. 16.

Ohio, Cleveland—Domestic Wet Wash Laundry Co., 7189 Lorain Ave., plans 1-story, 70x135-ft. laundry, $15,000. W. H. Smith, Union Bldg., Arch.

Ohio, Cleveland—G. C. Kuhlman Car Co., Adams Ave., plans 1-story, 81x142-ft. addition, East 140th St. and New York Central R.R. About $100,000.

Ohio, Cleveland—National Woolen Co., 3131 West 33d St., plans factory on West 32d St.

Ohio, Cleveland—Telling Belle Vernon Co., 3821 Cedar Ave., plans 2-story plant. About $75,000. Christian, Schwartzenberg & Gaede, 1900 Euclid Bldg., Arch.

Ohio, Cleveland—Wolf Envelope Co., 1270 Ontario St. plans 2-story factory, $25,000. Christian, Schwartzenberg & Gaede, 1900 Euclid Bldg., Arch.

Ohio, Columbus—Cleveland, Cincinnati, Chicago & St. Louis Ry. purchased site near West Broad St. crossing, plans freight yard, repairs shops, roundhouses, etc. C. A. Paquette, Cincinnati, Ch. Engr.

Ohio, Mt. Gilead—Hydraulic Press Manufacturing Co. made plans improving and enlarging plant.

Ohio, Youngstown—Bessemer Gas Engine Co. plans additions. About $80,000.

Ind., Terre Haute—Standard Wheel Works, 1701 North 13th St., plans foundry and annealing ovens. D. B. Shourds, 511 Tribune Bldg., Arch.

Mich., Channing—Chicago, Milwaukee & St. Paul Ry. to enlarge yards and roundhouse. C. F. Loweth, Railway Exchange Bldg., Chicago, Ch. Engr.

Mich., Grand Rapids—Reed & Cheney Co. plans 4-story, 158x250-ft. plant on Market Ave.

Mich., Lansing—Novo Engine Co., plans 1-story foundry, $50,000. H. E. Smith, Capital National Bank Bldg., Arch.

Ill., Chicago—Sefton Manufacturing Co., 1301 West 35th St., plans warehouse. Postle & Fischer, 140 South Dearborn St., Arch.

Ill., Peoria—Grasselli Chemical Co., The Arcade, Cleveland, Ohio, plans plant on Canalport Ave., Peoria.

Wis., Beloit—J. Sairs plans 2-story 50x100-ft. factory and warehouse for manufacture automobile break linings.

Wis., Beloit—United States Linen Co. plans addition. A. K. Somers, Yates and Harvey St., Mgr.

Wis., Bloomer—C. E. Blodgett Co., Marshfield, making plans warehouse. About $200,000.

Wis., Milwaukee—Milwaukee Journal Co., 182 4th St., making plans 3-story, 50x120-ft. addition. Klug & Smith, Mack Blk., Engr. F. Howend, Arch. and Engr.

Ia., Council Bluffs—Interstate Flour and Feed Co., 16th Ave. and 4th St., plans 115x300-ft. plant. L. R. Butcher, Mgr.

Ia., Keokuk—Standard Four Tire Co. increased capital stock and will build addition. A. Kirsch, Bus. Mgr.

Ia., Sioux City—Sioux City Tire and Manufacturing Co. plans 2-story, brick and concrete factory on East 5th St. and Fowler Ave.

Iowa, Waterloo—W. Galloway Co. increased capital stock to $3,000,000, and plans factory.

Minn., Albert Lea—Strife Tractor Co. plans factory. J. H. Clapperton, 307 South 3d St., Minneapolis, Pres.

Minn., Hawley—Long Prairie Milling Co., Long Prairie, making plans flour mill. About $20,000.

Minn., Minneapolis—Flour City Fuel and Transfer Co., Lake St. and Blaisdell Ave., made plans warehouse. $150,000.

Minn., Minneapolis—B. J. Johnson Soap Co., 11 South 9th St., plans 6-story, 60x165-ft. warehouse. About $80,000. Tyrie & Chapman, Auditorium Bldg., Arch.

Kan., Fowler—Fowler Equity Exchange plans elevator. About $25,000. C. D. McCauley, Secy.

Neb., Lincoln—E. C. Strode, 510 Bankers' Life Bldg., making plans auto sales room. About $32,000. Fiske & Meginnis, 519 Bankers' Life Bldg., Arch.

Neb., Omaha—U. P. Steam Baking Co., 30th and Evans St., plans 2-story brick bakery. C. D. Cooley Co., Century Bldg., Pittsburgh, Arch. P. H. Anthony, 1109 Waldheim Bldg., Kansas City, Mo., Assoc. Arch.

Mont., Great Falls—Montana Candy Co. organized to build factory. About $30,000.

Mont., Libby—J. H. Ehlers, Spokane, Wash., to organize company to build pulp mill near Libby. About $10,000,000.

Mo., Moberly—Moberly Poultry and Creamery Co. making plans 60x90-ft. packing house. Ludwig Abt, Arch.

Mo., St. Louis—Modern Auto Repair Co., 4609-13 Olive St., granted permit 1-story plant. About $10,000.

Mo., St. Louis—Roxana Petroleum Co. plans refinery. About $1,000,000.

Ark., Pine Bluff—Fox Bros. Hardware Co. plans 4-story, 100x114-ft. warehouse. F. Fox, Pres.

Tex., El Paso—W. and C. C. Bush plan ice plant. About $50,000.

Tex., El Paso—Jolly & Morris plan warehouse. About $25,000.

Tex., Ft. Worth—J. M. Vincent to build 2- or 3-story, 95x100-ft. rein.-con. garage. About $50,000.

Tex., Post—Post City Brick and Tile Co. plans plant. V. A. Robinson, Engr.

Tex., San Antonio—Alamo Dressed Beef Co. to enlarge plant. About $11,000.

Tex., San Antonio—J. F. Watson to build 2-story building to be occupied by Firestone Tire and Rubber Co. About $30,000.

Okla., Clinton—Clinton & Oklahoma Western Ry. to rebuild shops destroyed by fire. W. S. Haid, Clinton, Gen. Mgr.

Okla., Oklahoma—Oklahoma City Mill and Elevator Co. plans warehouse. About $26,000.

Wash., Seattle—Ames Shipbuilding and Dry Dock Co., Hanford St., plans plant to include 54x160x440-ft. plate shed, 95x240-ft. machine shop, 75x400-ft. woodworking shop, 3 sheds, 50x120 ft., and power house and office building. Lee & Brinton, Colman Dock, Arch.

Calif., Fresno—Pacific Coast Grocery Co. making plans, 1-story, 150x275-ft. rein.-con. warehouse, Ventura Ave., P St. and Santa Fe Ave. Glass & Butner, Rowell Bldg., Arch. W. B. Wellman, Wellman, Peck & Co., San Francisco, Pres.

Ont., Port Arthur—J. Burnham & Co., New York, purchased plant Western Dry Dock and Shipbuilding Co. and will enlarge same.

Ont., Port Arthur—James Richardson Co. plans new elevator on waterfront.

Ont., Sarnia—Mueller Brass Co. plans additions. About $75,000.

Ont., Toronto—P. W. Ellis & Co., 21 Prescott Ave., granted permit 1-story addition. About $10,000.

B. C., Vancouver—S. Spratt, representing Amalgamated Dry Dock and Engineering Co., concern holding order in council authorizing issuance of bonds to extent of $5,500,000 for establishing plant at Vancouver, has been in Vancouver in connection with scheme.

Bids In and Contracts Awarded

Mass., Boston—H. M. Williams, 16 State St., let contract auto sales building to W. A. & H. A. ROOT, INC., 1 Beacon St.

Mass., Franklin—F. H. Appleton & Son, Fisher St., let contract addition to TORRINGTON BUILDING CO., Torrington, Ct. Noted July 13.

Mass., New Bedford—Holmes Mill let contract 1-story mill to Z. B. DAVIS CORP., 668 Acushnet Ave., $65,000.

Mass., Worcester—Norton Co. let contract 2 factory buildings to E. J. CROSS CO., 82 Foster St.

R. I., Central Falls—Standard Engineering Works, 190 Exchange St., let contract 2-story factory to B. F. SMITH CO., 22 Mason St., $15,000.

Ct., Hartford—D. F. Cotter, 40 Beach St., let contract 1-story garage to MALLEY & CROWLEY, 943 Main St., $20,000. Noted Nov. 2.

Ct., New Haven—Bronson & Townsend let contract 4-story warehouse to D. H. CLARK CO., 166 Brewery St. Noted Feb. 24.

Ct., Stratford—Bridgeport Safety Emery Wheel Co., 82 Knowlton St., Bridgeport, let contract factory to AUSTIN CO., Newfield Bldg., Bridgeport, $10,000.

Ct., Waterbury—American Fastener Co., North Elm St., let contract 3-story factory to J. F. BITTNER, 227 Willow St.

Ct., Waterbury—General Manufacturing Co., 66 North Elm St., let contract factory to J. F. BITTNER, 227 Willow St. Noted Nov. 9.

N. Y., Albany—Woodward Co., 388 Broadway, let contract 4-story warehouse to ALGO PANZIERI, 61 Grand St., $60,000. Noted Oct. 12.

N. Y., Buffalo—American Radiator Co., 1741 Elmwood Ave., let contract addition to J. W. COWPER CO., 721 Fidelity Bldg., $25,000.

N. Y., Buffalo—Buffalo Dry Dock Co., 191-301 Ganson St., let contract warehouse to WESTERN BUILDING CO., Iroquois Bldg., $15,000.

N. Y., Buffalo—General Carbonic Gas Co., 865 Seneca St., let contract addition to B. A. CROOKER, Builders' Exchange Bldg., $10,000. Noted Nov. 30.

N. Y., Buffalo—Schoelkopf Analine and Chemical Works, 324 Abbott Rd., let contract warehouse to J. W. COWPER CO., 721 Fidelity Bldg. Noted Sept. 21.

N. Y., New York—(Brooklyn)—J. C. Cavanaugh Corp., 151 Roebling St., let contract rebuilding factory to A. LINCK, 736 Bushwick Ave. About $10,000. Noted Oct. 19.

N. Y., New York—(Brooklyn)—M. G. Malaxas, 536 44th St., let contract 3-story, factory to H. BESKIN, 100 Graham Ave., $18,000.

N. Y., New York—(Manhattan)—Thonet Bros., 14 East 32nd St., let contract 1-story factory at 542-46 West 36th St., to GRANT CONSTRUCTION CO., 5 East 42nd St.

N. J., Harrison—New Jersey Tube Co., Kingsland Ave., let contract 1-story mill to W. L. BLANCHARD, 160 Sherman Ave., Newark.

N. J., Jersey City—E. Schauble, 62 Van Winkle Ave., let contract dyehouse, McPherson and Elliott Pl., to F. CRAHAY, 3572 Boulevard. About $12,000.

N. J., Jersey City—Wilson & Co., Union Stock Yards, Chicago, Ill., let contract 3-story addition M. T. CONNOLLY CO., 238 17th St., $50,000. Noted Aug. 24.

N. J., Newark—Hagerstrom & Chapman Co., 85 Columbia St., let contract factory 9 Orchard St. to ZACHER & KURRLE, 460 South 21st St., Irvington. About $11,500. Noted Dec. 14.

N. J., Newark—A. Hollender & Sons, 143 East Kinney St., let contract factory 123-29 East Kinney St., to E. M. WALDRON, INC., 207 Market St. About $50,000.

N. J., Union Hill—(Weehawken post office)—Hudson-Dispatch News, 509 Lewis St., let contract printing and office building, Lewis St. and New York Ave., to G. De KIMPE, 68 Hudson St., Hoboken. About $100,000. Noted Oct. 5.

Penn., Bradford—Krajenski Pesant Corp. let contract 1-story machine shop to HAMILTON & CHAMBERS CO., 29 Broadway, New York, N. Y., $50,000.

Penn., McKeesport—Peters Packing Co., 922 Rose St., let contract fertilizer plant to G. BLAIR, 215 6th St., $30,000.

Penn., Philadelphia—S. Greene, 16th and Arch St., let contract 7-story addition to F. G. STEWART, 1619 Sansom St. Noted Nov. 30.

Penn., Philadelphia—Morris-Wheeler Realty Co. let contract plant, 30th and Locust St., for Morris, Wheeler & Co., 16th and Market St., to W. STEELE & SONS CO., Kingsley and Cresson St. Noted Nov. 16.

Penn., Philadelphia—Penn Flexible Tubing Co., Abbott Bldg., let contract 1-story shop to E. J. KREITZBURG, 1345 Arch St., $12,000.

Penn., Pittsburgh—Baltimore & Ohio Railroad Co. let contract warehouse to H. SHENK CO., Century Bldg., $200,000.

Penn., Pittsburgh—Consolidated Ice Co., 13th and Pike St., let contract ice-storage house to HODDER CONSTRUCTION CO., Braddock, $15,000. Noted Oct. 26.

Penn., Pittsburgh—Jackson Motor Supply Co., 5902 Penn Ave., let contract 3-story salesroom and garage to G. BALDENSPERGER, 401 Highland Bldg., $40,000. Noted Dec. 14.

Penn., Pittsburgh—Kaufman Bros., 24 West Grant Ave., let contract warehouse to STONE & WEBSTER CO., 38 South Dearborn St., Chicago, $500,000. Noted Oct. 26.

Penn., Williamsport—Chessman & Elliott, 100 William St., New York, let contract factory and storage building on East St. to S. LARRIVEE, Williamsport. Noted Dec. 14.

Pa., York—Crescent Ice and Coal Co., 52nd St., Phila., let contract plant to H. VOIGHT, 1251 North 28th St. $30,000.

Md., Baltimore—American Ice Co., 309 Calvert Bldg., let contract ice plant to H. S. RIPPLE, 7 Clay St., $10,000.

Md., Baltimore—Shawingan Electro Products Co., U. S. Fidelity & Guarantee Bldg., let contract addition to GUARANTEE CONSTRUCTION CO., 140 Cedar Ave., $10,000.

Md., Cumberland—Kelly-Springfield Tire Co., Springfield, Ohio, let contract plant to S. DIESCHER & SONS, Farmers Bank Bldg., Pittsburgh. About $2,500,000. Noted Oct. 5.

Va., Lynchburg—Norfolk & Western Ry. let contract 2-story addition to freight warehouse to J. P. PETTYJOHN & CO., Lynchburg.

Va., Norfolk—W. P. Cake let contract lumber mill and sheds to R. H. GREGORY, Ocean View, $20,000. Noted Dec. 7.

Va., Richmond—W. H. Harris Grocery Co. let contract warehouse to TRAVERS-WOOD CO., Richmond. About $70,000.

W. Va., St. Albans—Roessler & Hasslacher Chemical Co., Perth Amboy, let contract plant to C. W. McNULTY, 814½ Quarrier St., Charleston. Noted Oct. 12.

Fla., Dade City—E. M. Scoville let contract plant to manufacture valves to MUTUAL CONSTRUCTION CO.

Industrial Works (Continued)

Ala., Montgomery—Cramton Lumber Co. plans to build planing mill by company forces. About $15,000. T. L. Bear, Mgr.

Ohio, Alliance—L. Hoppes, 2335 South Union Ave., let contract plant to J. WILSON, 62 East Summit St., $15,000.

Ohio, Cleveland—I. Leisy Brewing Co., 3320 Vega Ave., let contract refrigerating building to WALTHER ENGINEERING CO., 1903 East 19th St., $85,000. Noted Nov. 30.

Ohio, Columbus—A. J. Pembroke, 717 Columbus Savings and Trust Bldg., let contract 2-story sales garage to D. D. LIVINGSTON, 926 Studer Ave., $20,000.

Ohio, Dayton—Dicks, Pontius Co., 28 North Canal St., let contract 2-story addition to DANIS, HUNT CO., First and Webb St., $25,000.

Ohio, Lorain—Lorain Crystal Ice Co. let contract plant and tank house to TOWNER & COOK, $16,000. Noted Dec. 7.

Ohio, Marietta—C. W. Schramm & Co., 132 Putnam St., let contract bakery to F. BECKER, 616 5th Ave., $35,000. Noted Sept. 21.

Ohio, Sidney—Sidney Manufacturing Co. let contract 1-story factory to MIAMI CONSTRUCTION CO., 30 Hess St., Dayton, $10,000.

Ind., Frankfort—Frankfort Auto Co. let contract 1-story factory to J. PADEN.

Mich., Battle Creek—Standard Oil Co., 1260 Butterworth St., let contract 2-story warehouse to C. HOERTZ & SON, 659 West Bridge St., Grand Rapids.

Mich., Benton Harbor—Baker-Lawter Co., let contract 2 factories to M. STOCK, St. Joseph, $46,000. Noted Sept. 14.

Mich., Detroit—American Radiator Co., Chome St., let contract 2-story cupola to H. G. CHRISMAN CO., 315 Stevens Bldg., $15,000. Noted Sept. 14.

Mich., Detroit—Chalmers Motor Car Co., Jefferson Ave. and Belt Line, let contract press shop to H. G. CHRISMAN CO., 315 Stevens Bldg., $12,000.

Mich., Hamtramck—Michigan Steel Tube Co., 140 West Boston Blvd., Detroit, let contract 1-story factory to AUSTIN CO., 1954 Penobscot Bldg., Detroit, $40,000.

Mich., River Rouge—Ford Automobile Co., Detroit, let contract blast furnace to STEEL AMERICAN BRIDGE CO., Beecher St., Detroit, $5,000,000. Noted Dec. 7.

Mich., St. Joseph—Williams Bros., let contract 2-story warehouse to M. STOCK.

Mich., Wheeler—Detroit Creamery Co., Grand River and Cass Ave., Detroit, will build by day labor 1-story receiving station.

Ill., Aurora—D. R. Sperry & Co., 188 Main St., let contract 1-story addition to W. H. GRAHAM, 555 Downer Pl., $10,000.

Ill., Chicago—H. C. Evans Co., 75 West Van Buren St., let contract 2-story factory to E. CLAYSON, 1307 North Harding Ave.

Ill., Chicago—Excelsior Steel Furnace Co., 517 West Monroe St., let contract 4-story factory to GERHARD F. MEYNE, 127 North Dearborn St., $100,000. Noted July 13.

Ill., Chicago—E. R. Klemm, 1453 Austin Ave., let contract 2-story machine shop to A. T. KRAMER & CO., 230 South La Salle St., $15,000.

Ill., Cicero—Successful Merchant, Inc., 541 West Washington St., let contract 1-story factory to J. A. THOMAS, 840 Cass St., Chicago.

Ill., Kankakee—Langan Paint Co. to build 2-story factory and store by day labor, $18,000.

Ill., Kankakee—Sears, Roebuck & Co., St. Louis Ave., and Arthington St., let contract 2-story factory to SUMNER-SOLLITT CO., 79 East Adams St., Chicago.

Wis., Beloit—Beloit Iron Works, c/o N. Ross, Beloit, let contract pattern storage building to CUNNINGHAM BROS. About $15,000.

Wis., Milwaukee—Van Dyke Knitting Co., 890 South Pierce St., let contract 2-story storehouse to C. A. KIEPPE, 1026 1st St., $10,000.

Wis., Otjen—United States Glue Co., let contract refrigerating plant to PAUL RIESENS SONS, Humboldt Ave., Milwaukee, $15,000.

Wis., Rockfield—Rockfield Canning Co. let contract. 2-story warehouse to A. BERRIES, West Bend.

Ia., Des Moines—Consumers' Ice Co., New York Ave., let contract 1-story cold storage building to BENSON & MARXER, 515 Third St., $10,000.

Ia., Marshalltown—Lennox Furnace Co., 119 East Main St., let contract factory to W. LANGER, East Main St., about $15,000.

Ia., Ottumwa—Webb Phillips, East Maple St., let contract 4-story warehouse to OTTUMWA MILLWORK CONSTRUCTION CO., 308 West Main St.

Ia., Waterloo—Rath Packing Co. let contract cold-storage plant to Black HAWK CONSTRUCTION CO., about $56,000. Noted Nov. 23.

Minn., Minneapolis—S. T. McKnight Co., McKnight Bldg., let contract 10-story warehouse to J. LECK & CO., 123 South Seventh St., $100,000.

Minn., Minneapolis—B. E. Stimson, 111 South 10th St., let contract service station, 9 East 16th St., to J. L. ROBINSON CONSTRUCTION CO., 511 South 7th St. About $20,000.

Minn., Minneapolis—Twin City Trading Co., 24th and Southeast Elm St., let contract storage and transfer house, also train sheds to BARNETT & RECORD CO., 700 Flour Exchange Bldg. About $140,000. Noted May 11.

Kan., Atchison—Seaton Foundry Co. let contract 1-story, 100x275-ft. foundry to MISSOURI VALLEY BRIDGE AND IRON CO., Leavenworth. Noted Nov. 16.

Neb., Norfolk—Albough-Dover Co. let contract factory to EBERHARDT CONSTRUCTION CO., Salina, Kan., about $30,000. Noted Nov. 23.

Mo., Kansas City—Alnes Farm Dairy Co., 39th and Main St., let contract 3-story plant to MOSBY & GOODRICH, 904 New York Life Bldg., $75,000. Noted Nov. 30.

Mo., Kansas City—E. C. Marqua, 1109 Waldheim Bldg., let contract warehouse, 33d St. and Roanoke Rd., to SWENSON CONSTRUCTION CO. Noted Mar. 2.

Mo., St. Louis—Griesidiek Bros. Brewery Co., 19th and Shenandoeh Ave., let contract 4-story stock house to KELLERMAN CONSTRUCTION CO., Roe Bldg., $50,000.

Tex., El Paso—Worsham, Palm & Singleton let contract warehouse to H. T. PONSFORD, El Paso. About $40,000 or $50,000.

Ariz., Winslow—Atchison, Topeka & Santa Fe Ry. let contract ice-storage building to F. O. ENGSTRUM CO., 5th and Seaton St., Los Angeles. About $50,000.

Calif., Manteca—Spreckel's Sugar Co. let contract refinery to DYERS CONSTRUCTION CO., Tracy, about $2,000,000.

Que., Montreal—International Manufacturing Co. let contract factory to ANGLINS, LTD., 65 Victoria St., about $1,000,000.

Ont., Acton—Reliance Shoe Co., 350 Sorauren Ave., Toronto, let contract factory to J. B. McKENZIE Georgetown, about $13,000. Noted Oct. 19.

Ont., Cornwall—Canadian Cotton Co., Montreal, let contract addition to ANGLINS, LTD., 65 Victoria St., Montreal. About $50,000.

Ont., Galt—Sheldon Co., Ltd., let contract addition to P. H. SECORD & SON, Brantford, about $18,000.

Ont., Hamilton—Cummer-Dowswell Co., Elgin St., let contract addition to MITCHELL & RIDDELL. About $16,000.

Ont., New Toronto—Dominion Abrasive Wheel Co., Ltd., let contract factory to TOMS CONTRACTING CO., Toronto, about $65,000.

Ont., Trenton—British Chemical Co. let contract plant to consist of 40 buildings to GAYLORD ENGINEERING CO., about $500,000.

FEDERAL GOVERNMENT WORK

Proposed Work

N. Y., New York—Groins, Etc.—U. S. Engr. Office, Room 802, 30 Whitehall St., receiving bids Dec. 28 for timber groins and repair of seawall near southern boundary of Sandy Hook Reservation, N. J. Noted Nov. 23. (See adv.)

Penn., Philadelphia—Dredging—U. S. Engr. Office, Philadelphia, receiving bids Jan. 15, on Tinicum, Chestnut and Marcus Hook Ranges, Delaware River.

Penn., Philadelphia—Dry Dock—Bureau of Yards and Docks, Navy Dept., Washington, D. C., receiving bids Jan. 29, No. 3, Philadelphia Navy Yard.

Ga., Augusta—Refrigerating Machine—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., receiving bids Jan. 11, in post office and courthouse.

Mich., Charlotte—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., receiving bids Jan. 19. Noted July 6.

Neb., Chadron—Post Office and Courthouse—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., rejected bids. New bids. Noted Dec. 14.

Idaho, Twin Falls—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., rejected bids. New bids. Noted Dec. 14.

Utah, Richfield—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., receiving bids Jan. 22.

Alaska, Seward—Railway—Alaskan Engineering Commission plans 240 mi., $10,590,672 next year.

Panama—Miscellaneous Supplies—E. I. Brown, Gen. Pur. Officer, Panama Canal, Washington, receiving bids Jan. 2, Circular No. 1107.

T. H., Honolulu—Bd. Supervs. to issue $480,000 bonds to improve water-works and sewer systems.

Bids In and Contracts Awarded

R. I., Newport—Sea Wall—Bureau Yards and Docks, Navy Dept., Washington, D. C., let contract, at Naval Torpedo Station, to R. H. BEATTY, Fall River, Mass., $26,571. Noted Nov. 16.

Md., Annapolis—Sea Wall—Bureau of Yards and Docks, Navy Dept., Washington, D. C., let contract rein.-con., at U. S. Naval Academy, Annapolis, to DORSEY & MILLER CO., Corcoran Bldg., Washington, D. C., $68,218. Noted Dec. 7.

Wash., D. C.—Building—Dist. Comrs. rejected bids, public convenience station at 15th St. and Maryland Ave., N. E. Work to be done by District Government.

Wash., D. C.—Pig Lead—Dist. Comrs. let contract 100,000 lb. for Water Dept. to NASSAU SMELTING AND REFINING CO., 603 West 29th St., New York, 7.12c. per lb.

Wash., D. C.—Railway Tracks—Dist. Comrs., Room 509, Dist. Bldg., let contract restoring street railway tracks to grade on 1st St. east from B St., South to B St., north to CRANFORD PAVING CO., 2620 East N. W., Washington. Noted Nov. 23.

Wash., D. C.—Sewers—Dist. Comrs. let contracts 14th St. and Mt. Pleasant trunk sewers to L. M. JOHNSON, Arlington, Va.; Old Tiber, Good Hope Run and Pennsylvania Ave. relief sewers to W. F. BRENIZER CO., Washington. Noted Nov. 30.

Va., Franklin—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., let contract to R. V. RICHARDSON, Hampton, $37,740. Noted Nov. 30.

Ala., Ft. Morgan—Wharf—Quartermaster let contract, timber, at Ft. Morgan, to G. M. GADSDEN, Savannah, Ga., $14,847. Noted Nov. 30.

La., New Orleans—Custom House—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., received low bids Nov. 17 remodeling from Hanna & Mitchell, New Orleans, $284,102; J. G. Unkefer & Co., Minerva, Ohio, $289,700; W. H. Maxwell, Lakeside, Wash., $309,000. Noted Nov. 2.

Wis., Antigo—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., let contract to W. D. LOVELL, 1115 Southeast 8th St., Minneapolis, Minn. About $70,000.

Mo., St. Louis—Levee Work—Secy. Mississippi River Comn., 1311 International Life Bldg., St. Louis, let contract 100,000 cu.yd. in East Cape Girardeau and Clear Creek Drainage Dist., Ill., to ROACH & STANSELL, North Memphis Savings Bank Bldg., Memphis, Tenn., $15,380. Noted Nov. 9.

Ark., Eureka Springs—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., received low bids Dec. 11 (a) limestone, (b) sandstone from R. S. Moore, 4th and Columbia St., Lafayette, Ind., (a) $37,470, (b) $37,900; Latimer & Banning, Kansas City, Mo., (a) $37,740, W. D. Lovell, 1415 South East 8th St., Minneapolis, Minn., (a) $38,540. Noted Nov. 9.

Ore., Portland—Coast Guard Station—Treasury Dept., U. S. Coast Guard Station, Washington, let contract, Siuslaw River, Ore., to H. R. KIBLER, Portland, $8,389.

Calif., Vallejo—Crane—Bureau Yards and Docks, Navy Dept., Washington, received low bids 250-ton floating revolving crane for Mare Island Navy Yard from McMyler-Interstate Co., Bedford, Ohio, $837,000; Wellman-Seaver-Morgan Co., 7000 Central Ave., S. E., Cleveland, $555,000. Noted Sept. 28.

CANALS, DITCHES AND IRRIGATION

Proposed Work

N. Y., Albany—(Official)—W. W. Wotherspoon, State Supt. Pub. Wks., Capitol, receiving bids Dec. 27, Terminal Contract No. 201, warehouses at Albany and Whitehall. Noted Oct. 19.

N. Y., Albany—(Official)—W. W. Wotherspoon, State Supt. Pub. Wks., Capitol, receiving bids Dec. 27, Terminal Contract No. 202, warehouses at North Tonawanda and Lockport; Terminal Contract No. 203, temporary warehouses at Troy, Mechanicville, Ft. Edward and Port Henry.

N. Y., New York—(Brooklyn and Queens)—Drainage—Bd. of Health of Dept. of Health, Centre and Walker St., receiving bids Dec. 28 improving certain areas in salt marshlands and meadows located within boroughs of Brooklyn and Queens, including islands in Jamaica Bay, in city of New York.

N. Y., New York—(Queens)—Drainage—Bd. of Health of Dept. of Health, Centre and Walker St., Manhattan, receiving bids Dec. 28 improving certain areas in salt marshlands and meadows in College Point Sect.

Ga., Lawrenceville—Drainage—Sweetwater Drainage Dist. being organized to drain land in Gwinnett County. I. L. Oakes, Lawrenceville, Atty.

Fla., Arcadia—Drainage—Limestone Irrigation Dist., De Sota County, soon lets contract main and lateral canals draining 15,600 acres of land. Graven & Kimmel, Arcadia, Engr.

Ala., Bessemer—Canal—City plans canal from Warrior River to Bessemer, Birmingham Real Estate Exchange, G. W. Yerkes, Chn., Birmingham, interested.

Ala., Birmingham—Canal—Surveys being made by F. K. Davis and A. Cobb, Engrs., Tuscaloosa, Valley Creek Canal.

Miss., Effie—(Tandy post office)—Morgan Engineering Co., Memphis, making plans complete tile drainage of 1,000-acre plantation. Company would like to get in touch with contractors of drainage machinery for work and quotations on tile from manufacturers.

La., Crowley—Drainage—Acadia Parish, 1st Ward Drainage Dist., election Dec. 30 to vote on $100,000 bonds to build drainage system. W. Dupont, Crowley, Pres. Drainage Com.

Ohio, Cleveland—(Official)—Ditch—Cuyahoga County receiving bids Jan. 6, Solon Township. W. A. Stinchcomb, Cleveland, County Surv.

Ohio, Wapakoneta—Dredging—Auglaize County plans to dredge Ft. Laramie Creek, about 12 mi., $27,000. Address County Clk., Wapakoneta.

Canals, Ditches and Irrigation (Continued)

Ind., Alexandria—Dredging—Madison County plans to dredge Pipe Creek, about 3 mi. southwest Alexandria. Address County Clk., Anderson.

Ind., Rensselaer—Ditch—Comrs. Jasper County, Court House, receiving bids Dec. 27, Zimmer Ditch. E. D. Nesbitt, Rensselaer, Comr. in charge constr.

Ill., Carlinville—(Official)—Drainage—Drainage Comrs. Dist. No. 1, South Otter Township, Macoupin County, receiving bids Dec. 27. S. T. Morse, Carlinville, Engr.

Ill., Belvidere—Drainage—Coon Creek Drainage Dist., Boone County, soon lets contract drainage near Belvidere and Marengo, 22 mi. ditches, about $82,000. A. L. Webster, Harvard, Engr.

Ill., Quincy—(Official)—Drainage—Indian Grave Drainage Dist., 615 Hampshire St., receiving bids Dec. 23, rein.-con. sluice on pile foundation, about 360-ft. long. Noted Sept. 7.

Ill., Sycamore—Drainage—DeKalb County receiving bids Dec. 28 work in Union Drainage Dist. No. 1; 115,040 cu.yd. earth excavation from main channel, 21,533 cu.yd. earth excavation from Afton lateral and 4,510 cu.yd. earth excavation from Afton sub-lateral; also 55,000 cu.yd. earth excavation on Milan lateral (new work). G. Mosher, Sycamore, County Clk.

Ill., Urbana—(Official)—Drainage—Pesotum Slough Special Drainage Dist., Court House, receiving bids Dec. 28 system of tile drainage, Sub-district No. 5. E. V. Burton, Pesotum, Engr.-in-charge.

Wis., Elkhorn—Drainage—Troy Drainage Comn., Walworth County, to let contract system about Jan. 1. G. B. Cain, Member.

Iowa, Hampton—Ditches—Franklin County rejected bids in Dists. Nos. 45 and 47. New bids. F. McSpaden, Hampton, Audr.

Ia., Rockwell City—Drainage—Calhoun County receiving bids Jan. 23 improvements in Dist. No. 218, Union Township. Address County Audr., Rockwell City.

Minn., Crookston—Ditch—Polk County receiving bids Jan. 25, Ditch No. 106, 37,349 cu.yd. excavation, about $1,668. H. J. Welte, Crookston, Audr.

Minn., Marshall—Ditches—Lyon County plans following ditches in spring: Ditch No. 26, about $20,000; No. 28, $22,000; No. 29, $5,000; No. 30, $25,000; No. 32, $11,000; No. 33, $4,000; No. 34, $4,000; No. 35, $35,000; No. 36, $4,000; No. 38, $10,000; Judicial Ditch No. 16, $150,000; 2 new ditches about $50,000 each. O. H. Sterk, Marshall, Drainage Engr.

Minn., Olivia—Drainage—T. S. Hewerdine, Engr., Olivia, making plans, about 250 mi. dredging, Renville County.

Minn., Owatonna—Ditch—Steele County plans Ditch No. 3, about $80,000. Address County Clk., Owatonna.

Minn., Park Rapids—Ditch—Hubbard County plans to build Ditch No. 7. F. Heisel, Park Rapids, Audr.

Minn., Walker—Ditches—Cass County soon lets contract Ditches Nos. 8 and 10. C. D. Balan, Walker, County Audr.

N. D., Forman—Drainage—Sargent County Drainage Bd. plans ditch to drain county around Minot to Wild Rice River. About $57,000. D. E. McPherson, Forman, Audr.

Mont., Hardin—Irrigation—Surveys being made immense irrigation project in connection Big Horn Canyon Irrigation and Power Co. J. J. Harris, Pres.

Okla., Atoka—Drainage—Atoka Drainage Dist. No. 1, recently organized, plans to drain about 200,000 acres. Address A. E. Newman, Atoka, Secy.

Okla., Oklahoma—Drainage—Oklahoma County plans immense drainage district to embrace parts 13 counties to be formed in order that cut-off canal may be built connecting North Canadian River with South Canadian River. Address County Clk., Oklahoma.

Wash., Seattle—Drainage—Comrs. King and Snohomish Counties to form drainage district, 2,500 acres in Snoqualmie Valley, about $37,000. P. Niles, Seattle, Drainage Engr.

Ore., Drewsy—Irrigation—J. H. Lewis, State Engr., Salt Lake City, approved application A. S. Reede & Sons, Drewsy, to build reservoir to store 3,800 acre-ft. water to irrigate 1,596 acres land. Plans include canal 6 mi. long and dam 3 ft. high. About $20,000.

Ore., Jacksonville—Irrigation—F. L. Ton Velle, Judge Jackson County, ordered election Dec. 27 to vote on formation irrigation district, about 25 acres between Jacksonville, Medford and Phoenix.

Ore., Klamath Falls—Irrigation—Klamath County plans to irrigate 430 acres west of old Van Brimmer Ditch and north Whitelake. Address County Clk., Klamath Falls.

Ore., Riddle—Irrigation—A. D. Helms interested in irrigation project to water about 500 acres of land.

Calif., Hammond—Drainage—Police Jury Tangipahoa Parish petitioned to call election to vote on $200,000 bonds to drain lands in parish. Address Pres. Jury, Hammond.

Calif., San Francisco—Irrigation—Pacific Gas and Electric Co., 445 Sutter St., San Francisco, plans to enlarge corporations' system. About $225,000.

Calif., Stockton—Irrigation—West Side Irrigation Dist. voted $295,000 bonds for work. Contract soon to be let. W. G. Hunter, Stockton, Engr. Noted Jan. 27.

Calif., Woodland—Drainage—B. F. Conway, Colonial Trust Bldg., Los Angeles, and associates purchased about 11,000 acres to build drainage and irrigation system.

Bids In and Contracts Awarded

N. Y., New York—(Brooklyn)—(Official)—Dredging—R. G. Packard Co., 133 Greenwich St., Manhattan, at 75c. per cu.yd., only bidder dredging Wallabout Canal. Noted Nov. 30.

N. Y., New York—(Brooklyn)—Dredging—R. A. C. Smith, Comr. Docks, Pier "A," Battery Pl., North River, Manhattan, let contract dredging foot 29th, 30th and 35th St., South Brooklyn, to COASTWISE DREDGING CO., 17 Battery Pl., Manhattan, 24c. per cu.yd. Noted Dec 7.

Tenn., Dyersburg—Drainage—Bogota Drainage Dist., of Dyer and Obion Counties, received bids 8 mi. ditch, (a) removal of 405,000 cu.yd. material, (b) cleaning 96 acres right-of-way at Dyersburg, from: J. P. Carr, Ft. Wayne, Ind., (a) 6c., (b) $12; Goodrich & Gray, Royal Center, Ind., (a) 6.4c., (b) $10; McGuire Bros. & Caldwell, Trimble, (a) 6.7c., (b) $10.40. Noted Nov. 2.

Ia., Council Bluffs—(Official)—Drainage—Mosquito Creek Drainage Dist., Pottawatomie County, let contract to STERNBERG BROS., St. Louis, Mo., 0.069c. per cu.yd.

Ia., Storm Lake—Ditch—Bd. Supervs. Buena Vista County let contract Ditch No. 102 to ANDERSON & PETERSON, Vincent, Ditch No. 100, to J. FLEITER, Whittemore.

Ia., Webster City—Drain—Hamilton County let contract Sect. No. 1, Castner, Williams and Askland Drain, to R. L. COX, Webster City, about $12,800.

Minn., Breckenridge—Ditch—Wilkin County let contract Ditch No. 28 to BROWN & HARBINSON, Litchfield, 14.60c. per cu.yd. Noted Dec. 7.

Minn., Chaska—Ditch—Carver and McLeod Counties let contract Ditch No. 5 to GLENCOE DRAIN TILE CO., Glencoe, about $17,000. Noted Nov. 9.

Minn., Fairmont—Ditch—Martin County let contract Ditch No. 9 to CEYLON CEMENT TILE CO., Ceylon, about $5,600.

Minn., Glencoe—Ditch—McLeod County let contract Ditch No. 28 to G. McALLISTER, Glencoe, about $19,000. Noted Aug. 3.

Minn., Ortonville—Ditch—Bigstone County let contract Ditch No. 13 to SCHOLBERG & JAMES, Marion, S. D.; Ditch No. 11, BEMIDJI DREDGE CO., Bemidji. About $24,000.

Tex., Columbus—Drainage—Drainage Dist. No. 22, Colorado County, let contract 75,000 cu.yd. ditch excavation to H. KENYON, Houston, 12½c. cu.yd.

Calif., San Jose—Ditch—City let contract Foxworthy Drainage Ditch and concrete culvert on Plummer Ave. to RAISCH IMPROVEMENT CO., Crocker Bldg., San Francisco, about $11,790.

MISCELLANEOUS

Proposed Work

Mass., Beverly Cove—(Beverly post office)—Swimming Pool—W. H. Brown plans, Brown Estate, Prince St. About $60,000.

N. Y., New York—(Bronx)—Playground—Bd. Estimate granted. T. W. Whittle, Bronx Park Comr., appropriation to convert 24 acres in southwest corner Van Cortlandt Park into playground, athletic field, tennis court, etc.

N. Y., New York—(Brooklyn)—Market House—M. Wilinsky & Co., 1681 President St., plans 1-story, 45x100. About $12,000. M. Whinston, 159 Stone Ave., Arch.

N. Y., New York—(Brooklyn)—Retaining Wall—Frank Richards, 118 Sunnyside Ave., made plans, at Hendrix St. and Highland Blvd.

N. Y., New York—(Manhattan)—Station Finish—Pub. Ser. Comn. for First Dist., 120 Broadway, receiving bids Dec. 28 station finish 9 stations on Seventh Ave.-Lexington Ave. Rapid Transit R.R. Noted Dec. 7.

N. Y., New York—(Queens)—Elimination Grade Crossings—Long Island Railroad Co. receiving bids about Feb. 1, at Center Moriches. J. R. Savage, Jamaica, Ch. Engr.

N. Y., Syracuse—Elimination Grade Crossings—H. A. Allen, City Engr., made plans eliminating all crossings in city. Contracts to be let jointly by city and New York Central R.R. G. W. Kittredge, Grand Central Terminal, New York, Ch. Engr. Lines East Buffalo. Noted Dec. 30.

N. J., Mt. Holly—(Official)—Road Oil—Bd. Chosen Freeholders Burlington County, Court House, receiving bids Jan. 1 heavy road oil to be used on county's improved roads for year 1917. J. Logan, Mt. Holly, County Engr.

N. J., Mt. Holly—(Official)—Road Oil—Bd. Chosen Freeholders Burlington County, Court House, receiving bids Jan. 1 road oil to be used on county's improved roads for year 1917. J. Logan, Mt. Holly, County Engr.

N. J., Mt. Holly—(Official)—Stone—Bd. Freeholders Burlington County, Court House, receiving bids Jan. 1, broken stone. J. Logan, Mt. Holly, County Engr.

N. J., Rutherford—Elimination Grade Crossing—Erie R.R. soon receives bids. R. S. Parsons, 50 Church St., New York, N. Y., Ch. Engr.

Ga., Savannah—Wharf—Com. on Harbor and Wharves authorized chief engineer to make plans. E. R. Conant, City Engr.

Fla., Miami—Swimming Pool, Etc.—C. G. Fisher, Miami, plans swimming pool and dutch windmill, Miami Beach Casino Grounds. About $15,000.

Ohio, Ashtabula—Subway—City, New York Central R.R., Lines West of Buffalo, and Pennsylvania Lines West Pittsburgh plan, Center St. Bond election may be held. About $341,000, 65% to be borne by railroads. L. A. Amsden, City Engr., G. C. Cleveland, St. Clair Ave., and West 3rd St., Cleveland, Ch. Engr., former railroad and T. Rodd, Pittsburgh Station, Pittsburgh, Ch. Engr., latter.

Ohio, Cincinnati—Playground—City plans, Hamilton Ave. and Cincinnati, Hamilton & Dayton R.R. Plans include clubhouse with 2 wings. About $20,000. Garber & Woodward, 2803 Union Central Bldg., Arch.

Ohio, Cincinnati—Track Elevation—Pennsylvania Lines West Pittsburgh plans to issue $36,000 bonds to elevate tracks. T. Rodd, Pennsylvania Station, Pittsburgh, Ch. Engr.

Ohio, Columbus—Stadium—Ohio State University plans. W. O. Thomson, Pres.

Ohio, Dayton—Comfort Station—City plans Main St. Market House. Bids to be received by Dexter & McClure, Arch. F. O. Elchelberger, City Engr.

Ohio, Dayton—Flood Protection—Conservacy Court approved plans of Miami Conservacy of Dayton protecting Miami Valley from floods. About $23,500,000. Noted Mar. 23.

Ohio, Lancaster—Swimming Pool—City plans, Rising Park. Bruce M. Walker, Local Agt. Pennsylvania R.R. Chn. Com. J. Griggs, City Engr.

Ind., Ft. Wayne—(Official)—Pipe—Bd. Pub. Wks. receiving bids Dec. 26, 300 tons 6- to 12-in. c.-i. water pipe, 100 lb. working pressure. C. A. Beuret, Secy.

Mich., Grand Rapids—Track Elevation—A. Cutcheon, Gen. Mgr. Bd. Pub. Wks., to prepare estimate of cost of elevating all tracks from Union Depot to city limits and Franklin St. with view to making grade separation at Wealthy St. and Grandville Ave. W. S. Moore, City Engr.

Ill., Chicago—Subway—City plans to build subway system and to be sole owner of same. First 7 mi. of system to be started at once through downtown district. Chicago Traction and Subway Comn recommended that $18,000,000 traction fund be used for series subways in loop. Entire cost project about $65,000,000. W. P. Parsons and R. Ridgway, Members Comn. J. Ericson, City Engr.

Ill., Waukegan—Track Elevation—Chicago & Northwestern Ry. plans through Waukegan. W. H. Finley, Jackson Blvd. and Franklin St., Chicago, Ch. Engr.

Ia., Council Bluffs—Flood Prevention—E. E. Spetman, City Engr., estimates cost of cleaning Indian Creek for flood prevention at $19,741. Noted Nov. 2.

Minn., St. Paul—Dock—City plans at harbor on Sibley St. next year. About $25,000. O. Claussen, City Engr.

Neb., Omaha—Comfort Station—City Planning Bd. plans, 17th St. and Capitol Ave. J. A. Bruce, City Engr.

Mont., Lewiston—Park Improvements—Council plans to spend $12,000.

Tex., Anahuac—Bulkhead—Anahuac Texas Impvt. Dist. sold $40,000 bonds to build bulkhead across Martins Bay.

Tex., Brownwood—Fire Station—City soon votes on $30,000 bonds to build fire station. W. A. Storey, City Clk. Noted Dec. 7.

Okla., Tulsa—Fire Station—City soon receives bids, 18th St. and Boston Ave. About $5,000. Rush, Endicott & Rush, Tulsa, Arch. E. C. Hughes, City Engr.

Colo., Denver—Fountain—J. A. Thatcher retained L. Taft, Sculptor, Chicago, to design statue fountain as gift to city. About $100,000.

Colo., Denver—Gateway—City received gift of $20,000 ornamental gateway at esplanade entrance City Park in memory of Dennis Sullivan. H. F. Meryweather, City Engr.

Wash., Bellingham—Dock—City election soon to vote on $35,000 bonds to build dock on Pine St. W. H. North, City Engr. Noted Mar. 9.

Ore., Portland—Playgrounds—City plans election in June to vote on $10,000 bonds to build playgrounds. P. H. Dater, City Engr.

Calif., Long Beach—Pier—City plans election to vote on $900,000 bonds to build 1,800-ft. pier and auditorium. A. deRing, City Engr.

Calif., Oakland—Bulkhead, Etc.—Southern Pacific Co. plans bulkhead and retaining walls at Oakland Harbor. About $250,000. W. Hood, Flood Bldg., San Francisco, Ch. Engr.

Calif., San Diego—Dam—Citizens defeated $682,210 bonds to build dam at Lower Otay. New election soon. G. Cromwell, City Engr.

Ont., Ottawa—Swimming Pools—City to submit $75,000 by-law at January election.

Ont., Sarnia—Fire Alarm System, Etc.—N. R. Wilson, Engr., will recommend that Council install new fire-alarm system all over city and build new station in south ward.

Miscellaneous (Continued)

Bids In and Contracts Awarded

Mass., Boston—Park Improvements—City let contract development South Boston Strandway to NEW YORK STATE DREDGING CORP., 17 Battery Pl., New York, about $803,180. Noted Nov. 16.

N. Y., New York—(Manhattan)—Low bidders installation cable feed lines part of Seventh Ave.-Lexington Ave. Rapid Transit R.R. were W. G. Stearns, 55 Myrtle Ave., Queens, $11,075; United Core Drilling Co., $15,900; Harper Machinery Co., 50 Church St., $18,400. These are unofficial totals.

N. J., Perth Amboy—Pier—Raritan Copper Works let contract to EAST JERSEY BRIDGE CO., 194 Smith St.

N. J., Woodcliff—Retaining Wall—Bd. Chosen Freeholders, Hudson County, let contract at Southerly Arch and Weehauken branch of Hudson Blvd. to W. J. COUGHLIN, 665 Newark Ave., Jersey City.

Penn., Philadelphia—Coal Yard—W. W. Chambers, Springfield Ave., let contract to T. S. JONES, 5113 Chester Ave., $12,000.

Pa., South Bethlehem—Swimming Pool and Gymnasium—Bishopthorpe Manor let contract 2-story, to BUTZ & GLADNER, Ainley Bldg., Allentown, $15,000.

Va., Norfolk—Coal Piers—Virginian Ry. let contract enlarging coal piers at Seawall's Point to WELLMAN-SEAVER-MORGAN CO., Cleveland.

W. Va., Fairmont—Coal Storage Bin—Consolidated Coal Co., Watson Bldg., let contract to HOLBERT & SPEDDEN, Jacobs Bldg., $25,000.

N. C., Northwilkesboro—Dam—City received low bid concrete dam across Reddies River to replace one destroyed by floods from Robbins & Rand, Winston Salem, about $17,000.

Miss., Bay St. Louis—(Official)—Seawall—City to build by day labor. D. U. Harris, Mobile, Ala., Engr. Noted Aug. 24.

La., Alexandria—Levee—Red River, Atchafalaya and Bayou Boeuf Levee Bd. let contract South Atlantic levee, Rapides Parish, to C. NORDSTROM; Coco Point to "Y" levee, Avoyelles Parish, Bayou des Glaizes, to LOWER COAST CONSTRUCTION CO.

La., New Orleans—Levee—Bd. State Examiners received low bids as follows: Olga levee and revetment, J. W. Beck, earthwork, 23c., revetment, 90c.; Sarpy levee, Graner Contracting Co., 15.80c. per cu.yd.; Conrad revetment, H. C. Richarme, $2.15 per lin.ft.

Ohio, Dayton—Levee—Council let contract, along Miami River, to REICHELDERFER & SONS, Circleville, about $13,317. Noted Nov. 23.

Ohio, Lima—River Improvements—City let contract improving Ottawa River from west line Main St., City of Lima, to north right-of-way of Erie Railroad Co., northwest quarter of Sect. 1, Shawnee Township, Allen County, to I. H. JONES, Fostoria, $57,857. Noted Nov. 23.

Ind., Peru—Levee and Retaining Wall—City let contract to R. SULLIVAN. Noted Nov. 9.

Mich., Detroit—Subway—J. L. Hudson Co. let contract across Farmer St. and Library Park Ave., to J. A. MERCIER, 216 Hammond Bldg. Noted Nov. 2.

Ill., Rock Island—(Official)—Fire House—City let contract, 42nd Ave. and 12th St., to J. SIEVERS, Rock Island. Noted Nov. 30.

Wis., Superior—Dock—Northern Pacific Ry. let contract extension to ore dock to SIENS, HELMERS & SCHAFFNER CO., St. Paul. About $175,000. Noted Nov. 23.

Mo., Hardin—Levee—Bd. Levee Dist. No. 4 let contract 92,000 cu.yd. levee to F. E. BRUNWORTH, Hardin, about $11,960. Noted Nov. 16.

Ore., Portland—Dock—Columbia River Shipbuilding Co. let contract to COWLITZ BRIDGE CO., Yeon Bldg.

Ore., Portland—Slips—Multnomah County let contract repairing slips Burlington Ferry to JACONSEN CONSTRUCTION CO., McKay Bldg.

Calif., Los Angeles—Grading—Bd. Education received low bids grading athletic field and building concrete structures, Lincoln High School, from Wattson & Spicer, Wright & Callender Bldg., $10,000; R. H. McCray Co., 234 West 28th St., $12,000; R. A. Baker & Son, 6050 Pasadena Ave., $15,500.

Calif., Richmond—Fill—City received bids mud fill in inner harbor from Standard American Dredging Co., 414 13th St., Oakland, $39,376; San Francisco Bridge Co., $43,240; American Dredging Co., $52,900.

Calif., San Francisco—Wharf—City let contract at fuel, oil and garbage station to HEALY-TIBBETS CONSTRUCTION CO., Main and Market St.

BUILDINGS

Proposed Work

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous."

Me., Rumford—Church—Methodist Episcopal Church Society plans 1- and 2-story, 60x120-ft. About $40,000. H. S. Coombs, Lisbon St., Lewiston.

Mass., Springfield—Primary School—City making plans 2-story, 68x156-ft. addition. B. H. Seabury, Besse Bldg., Arch.

Mass., Williamstown—Library—Williams College making plans additions. About $100,000. A. Harding, Pittsfield, Arch. Noted Dec. 14.

Mass., Lawrence—Temple—Lawrence F. & A. M. making plans 4-story terra cotta. G. H. Adams, 288 Essex St., Lawrence.

R. I., Providence—Administration Building—Order of Dominican Fathers care of Rev. F. Meaghey, 869 Lexington Ave., New York, making plans, on Eaton St. M. Sullivan, 100 Boyleston St., Boston Arch.

Ct., Torrington—School—Town making plans. W. E. Hunt, Arch.

Ct., Waterbury—Y. M. C. A. plans building. About $350,000.

N. Y., Albany—School—Cathedral Immaculate Conception, 12 Madison Pl., made plans. Rev. J. A. Delaney, Pastor.

N. Y., Buffalo—Polish Business Men's Association, Black Rock plans, 2-story building. About $75,000. W. S. Kaczmarek 399 Amherst St., Buffalo, Pres.

N. Y., Buffalo—School—Bd. Education made plans Buffalo Dist. About $180,000.

N. Y., New York—(Manhattan)—(Official)—Office—Holwaothy Chambers, 100 William St. receiving bids 16-story, 49.4x95-ft. at Madison Ave. and 32nd St. About $200,000. W. L. Rouse and L. A. Goldstone, 38 West 32nd St., Manhattan, Arch.

N. Y., New York—(Manhattan)—(Official)—Bank-Guarantee Trust Co., 140 Broadway, receiving bids 4-story, 48x73.5-ft. brick, Madison Ave. and 60th St. About $100,000. Cross & Cross 10 East 47th St., Manhattan, Arch.

N. Y., North Tarrytown—Isaac Rice Memorial Hospital making plans several buildings. About $200,000. H. B. Herts, 507 5th Ave., New York, Arch.

N. Y., Norwich—Office—Norwich Pharmacal Co. plans, Plano St.

N. Y., Rochester—Nurses' Home—Iola Sanitarium making preliminary plans 2-story, 38x110-ft. About $50,000. H. W. Cutler, 312 Cutler Bldg., Rochester, Arch.

N. Y., Syracuse—Theater and Office—Keith & Albee, 1564 Broadway, New York, making plans 1-story, 72x208-ft. About $500,000. T. W. Lamb, 644 8th Ave., New York, and A. E. Westover, Keith's Theater Bldg., Philadelphia, Arch.

N. Y., Syracuse—Home—Syracuse Lodge No. 625, Loyal Order of Moose made plans. About $100,000. P. J. Guilfoyle, Treas.

N. Y., Williamsville—High School—Bd. Education retained M. C. Miller, Arch., 611 Mutual Life Bldg., Buffalo, to make plans, Academy and Eagle St. Noted Sept. 28.

N. J., Cape May—High School—Bd. Education plans on Washington St. About $100,000.

N. J., Montclair—School—Bd. Education making revised plans 2-story addition to Watching School. Noted Aug. 10.

N. J., Montclair—School—Bd. Education making revised plans 2-story addition to Nishuane School. About $175,000. Starrett & Van Vleck, 8 West 4th St., New York, Arch. Noted Aug. 10.

N. J., Richfield Park—High School—Town making plans 3-story, 63x125-ft. About $90,000. E. Sibley, Palisades Park, Arch.

Penn., Ambridge—(Official)—Grade School—Bd. Education receiving bids Feb. 1, 2-story, 166x312-ft. About $45,000. W. W. Williams, Magee Bldg., Pittsburgh, Arch. Noted Dec. 14.

Penn., Irwin—Church—Immaculate Conception Congregation plans at Main and Oak St. About $75,000. J. T. Comes, Renshaw Bldg., Pittsburgh, Arch.

Penn., Kulpmont—Church—Grace Evangelistic Lutheran Congregation making plans 1½-story, 50x120-ft. About $40,000. J. A. Dempwolf, Cassett Bldg., York, Arch.

Penn., Olyphant—Parochial School and Hall—St. Cyrill's Church making plans 3-story, 46x100-ft. About $40,000. T. Preitz, 1306 St. Ann St., Arch.

Penn., Philadelphia—State Capitol Comn. plans building on Parkway, between 20th and 21st St. R. J. Beamish, Monterey Apts., Philadelphia, Chn.

Penn., Pittsburgh—Hotel—Schenley Hotel plans addition. About $500,000. Rutan & Russell, Magee Bldg., Arch.

Penn., Rochester—Hospital—Rochester General Hospital receiving bids in spring 3-story addition. About $50,000. F. J. Merrick, Empire Bldg., Pittsburgh, Arch. Noted Nov. 2.

Penn., Scranton—Parochial School—St. Vladimir Greek Church making plans 3-story, 43x130-ft. About $40,000. J. J. Howley, Traders' Bank Bldg., Arch.

Del., Wilmington—Clubhouse—Elks' Home Building Association making plans 4-story, 40x100-ft. About $40,000. J. D. Thompson, Ford Bldg., Arch.

Md., Baltimore—Labor Temple—Baltimore Federation of Labor plans.

Wash., D. C.—Hotel—R. S. Downs plans 15th and Pennsylvania St. About $2,500,000.

Wash., D. C.—Temperance Bd. of Methodist Church plans building. About $150,000 or $200,000.

Wash., D. C.—Office—C. H. Davidson plans 12-story at 15th and K St.

W. Va., Pence Springs—Hotel—Pence Springs Hotel Co. soon receives bids, 3-story. About $40,000. Meanor & Sweeney, 917 K. & P. Bldg., Huntington, Arch. Noted Mar. 2.

N. C., Baden—Lodge and Theater—Aluminum Co. of America soon receives bids 3-story, 52x124-ft. About $125,000. H. E. Kennedy Co., Home Trust Bldg., Pittsburgh, Penn., Arch. Noted Nov. 23.

N. C., Greensboro—Hotel—Chamber of Commerce promoting organization of Greensboro Hotel Co., with $75,000 capital stock, to build hotel at Elm St. About $300,000. E. P. Wharton, Chmn. Com.

Ga., Atlanta—Flynn Realty Co. plans on Peachtree St. About $500,000. A. Brown, Realty Trust Co. Bldg., Arch.

Ga., Augusta—Bd. Education approved plans to rebuild Tubman High School. About $100,000. G. L. Preacher, Arch. Noted Nov. 23.

Ga., Leesburg—Courthouse—Lee County making plans 2-story, brick and concrete. About $15,000. J. J. Baldwin, Anderson, S. C., Arch. Noted Apr. 13.

Fla., Jacksonville—Church and Parish House—Church of Good Shepherd making plans. About 40,000. J. W. C. Corbusier, Cleveland and M. C. Greely, Jackson, Arch.

Ala., Mobile—School—City voted $150,000 bonds to build school.

Miss., Meridian—Hotel—Union Hotel increased capital $200,000 plans 3-story addition. About $15,000. P. C. Steele, Pres.

La., New Orleans—Lodge—New Orleans P. W. C. A. plans. About $80,000.

La., New Orleans—J. N. Wegman and A. O. Keefe plan to organize company to build business building. About $200,000.

Tenn., Knoxville—Y. M. C. A. plans building. About $125,000. Rev. L. G. Broughton, interested.

Ky., Covington—Home—Covington Industrial Club plans, on Madison Ave., next year. About $50,000. L. B. Wilson, Secy.

Ky., Louisville—Clubhouse—Athletic Club plans 5-story, 120x200-ft. brick, stone and terra cotta. About $300,000. B. B. Davis, Inter-Southern Bldg., Arch.

Ohio, Avondale—(Cincinnati post office)—Church—St. Andrew's Congregation made plans on Blair Ave and Reading Rd. About $125,000. S. Hanaford & Sons, Arch.

Ohio, Chillicothe—Hotel, Theater and Store—A. Douglas and A. P. Herrmann, Chillicothe, made plans, 3-story. F. L. Packard, 1212 Hayden Bldg., Columbus, Arch.

Ohio, Cincinnati—Lodge, Terminal and Arcade—Dixie Terminal Co., 1602 First National Bank Bldg., plans 5-story, 100x260-ft. About $1,000,000. Garber & Woodward, 2303-5 Union Central Bldg., Arch.

Ohio, Columbus—Temple—Franklin County Odd Fellows plan on South High St. About $750,000.

Ohio, Galion—Grade and High School—Bd. Education receiving bids Jan. 1, 2-story. About $110,000. Howard & Merriam, Columbus, Arch. Noted Dec. 14.

Ohio, Lancaster—School—Bd. Education making plans 2-story. About $80,000. D. Riebel & Sons, 906 New First National Bank Bldg., Columbus, Arch.

Ohio, Lima—High School—City receiving bids Jan 15, South Side Technical High School. About $75,000.

Ohio, Marion—Hotel—Fireproof Hotel Co. receiving bids about Jan. 1, 8-story, 60x160-ft. About $125,000. Thies & Thies, Davies Bldg., Dayton, Arch. Noted Oct. 26.

Ohio, Middletown—Office and Administration Building—American Rolling Mill Co. soon lets contract. About $100,000. Werner & Atkins, 1206 Mercantile Library Bldg., Cincinnati, Arch.

Ohio, Sandusky—Hospital—Good Samaritan Hospital plans.

Ohio, Somerset—Grade and High School—Somerset School Dist. receiving bids Jan. 12. About $40,000. Rusk & Sheets, 145 High St., Columbus, Arch. Noted Nov. 23.

Ohio, Toledo—Hospital—Toledo Catholic Diocese made plans 6-story, at Madison Ave. and 23rd St. M. J. Sturm, 116 South Michigan Blvd., Chicago, Ill., Arch.

Ind., Columbia City—(Official)—City soon receives bids building. Church & Cover, Ft. Wayne, Arch. Noted Dec. 14.

Ind., Indiana Harbor—Church—St. Johns of Contius Congregation receiving bids about Feb. 1. 1-story, 80x140-ft. About $100,000. Worthmann & Steinbach, 155 North Clark St., Chicago, Arch.

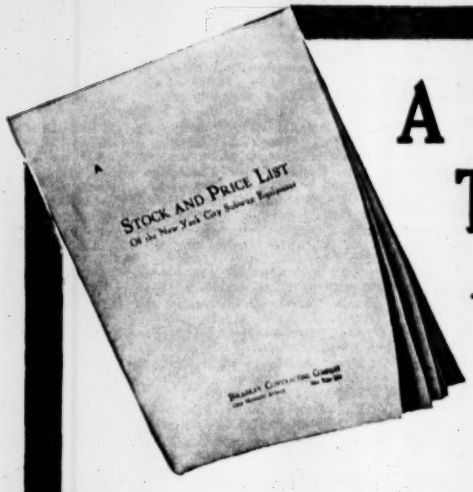
Ind., Indianapolis—Indiana University—School of Medicine making plans building. C. P. Emerson, Dean.

Ind., Indianapolis—Y. W. C. A. plans building on North Pennsylvania St. About $200,000.

Ind., South Bend—Conservatory and Auditorium—St. Mary's College and Academy making plans. About $100,000.

SPECIAL OPPORTUNITIES SECTION

Second Hand Equipment



A Few Items From The Bradley Price List

—Clip the Coupon And Get the List Itself

Item		
	PUMPS	
116	7	Edison Hand 3-in. Diaphragm Pumps.
117	1	Cameron Steam Sinking Pump, size 6x4 and 6x7.
	LAMBERT TWO-DRUM ELECTRIC HOISTERS	
120	1	60-hp. Lambert 2-Drum Electric Hoister No. 9332, direct-current motor, hoist No. 9332, motor No. 210539, volts 230, amp. 220, hp. 60, speed 500, swinging gear attached.
121	1	60-hp. Lambert 2-Drum Electric Hoister No. 9314, direct-current motor hoister No. 9314, motor No. 209067, volts 230, amp. 220, hp. 60, speed 500, swing gear attached.
122	1	60-hp. Lambert 2-Drum Electric Hoister No. 9390, direct-current motor, hoist No. 9390, motor No. 210631, volts 230, amp. 220, hp. 60, speed 500, swing gear attached.
123	1	60-hp. Lambert 2-Drum Electric Hoister No. 9318, direct-current motor, hoist No. 9318, motor No. 199524, volts 230, amp. 220, hp. 60, speed 500, swing gear attached.
124	1	60-hp. Lambert 2-Drum Electric Hoister No. 9394, direct-current motor, hoist No. 9394, motor No. 210706, volts 230, amp. 220, hp. 60, speed 500, swing gear attached.
125	1	60-hp. Lambert 2-Drum Electric Hoister No. 9354, direct-current motor, hoist No. 9354, motor No. 210538, volts 230, amp. 220, hp. 60, speed 500, swinging gear attached.
127	1	60-hp. Lambert 2-Drum Electric Hoister No. 9392, direct-current motor, hoist No. 9392, motor No. 210625, volts 230, amp. 220, hp. 60, speed 500, swinging gear attached.
128		Lambert 1-Drum Electric Telpher No. 9444, direct-current motor No. 199438, hp. 84, volts 230, amp. 310, speed 475, all complete.
129	1	Lambert 1-Drum Electric Cage Hoister No. 9328, direct-current motor No. 912634, hoist No. 9328, motor No. 912634, volts ——, amp.——, hp.——, speed. ——.
	LAMBERT TWO-DRUM ELECTRIC CABLE-WAY AND ENGINES	
130	1	40-hp. 2-Drum Lambert Electric Cable-Way Engine No. 8146, direct-current motor, hoist No. 8146, motor No. 694948, volts 220, amp. 157, hp. 40, speed 525, with cable-way.
131	1	40-hp. 2-Drum Lambert Electric Cable-Way Engine No. 9000, direct-current motor, hoist No. 8148, motor No. 694949, volts 230, amp. 157, hp. 40, speed 525, with cable-way.
132	1	40-hp. Lambert 2-Drum Electric Cable-Way Engine No. 8148, direct-current motor, hoist No. 8144, motor No. 701996, volts 220, amp. 157, hp. 40, speed 525, with cable-way.
133	1	50-hp. Lambert 2-Drum Electric Cable-Way Engine No. 8316, direct-current motor, hoist No. 8316, motor No. 439-032, volts 220, amp. 157, hp. 50, speed 500, with cable-way.
134	1	40-hp. Lambert 2-Drum Electric Cable-way Engine No. 8144, direct-current motor, hoist No. 9000, motor No. 598849, volts 220, amp. 156, hp. 40, speed 525, with cable-way.
	LAMBERT TWO-DRUM STEAM HOISTING ENGINES	
140	1	Lambert 2-Drum Steam Hoisting Engine No. 9852, size 12x14, with independent swinging gear engine No. 9876, size 7x10, and tumble drum, with steel derrick, 68th St. and E. R.
141	1	Lambert 2-Drum Steam Hoisting Engine No. 9850, size 12x14, with independent swinging gear engine No. 9874, size 7x10, and tumble drum, with steel derrick, 96th St. and E. R.
142	1	Lambert 2-Drum Steam Hoisting Engine, size 7x10, skeleton
143	1	Lambert 2-Drum Steam Hoisting Engine, 7x10, skeleton.
144	1	Lambert 2-Drum Steam Hoisting Engine, 7x10, skeleton.
145	1	Lambert 2-Drum Steam Hoisting Engine, 7x10, skeleton.
146	1	Lambert 2-Drum Steam Hoisting Engine, 7x10, skeleton.
150	1	Lambert 2-Drum Steam Hoisting Engine No. 2138, upright boiler attached, hoist No. 2138, boiler No. 5143, 7 in. x 10 in.
151	1	Lambert 2-Drum Steam Hoisting Engine, Lambert upright boiler No. 5291, hoist No. 2028, boiler No. 5291, swinging gear attached, 7 in. x 10 in.
153	1	Lambert 2-Drum Steam Hoisting Engine No. 8364, no plate, upright boiler attached, hoist, boiler, swinging gear attached, 8½ in. x 10 in.
	LAMBERT STEAM CABLE-WAY AND ENGINES	
180	1	Lambert 2-Drum Steam Cable-Way Engine No. 2244, upright boiler attached, engine No. 2244, boiler No. 5524, size 8½x10, boiler 30 hp., with cable-way.
183	1	Lambert 2-Drum Steam Cable-Way Engine No. 3724, upright boiler attached, size 8½x10, boiler 30 hp., with cable-way.
	LAMBERT 1-DRUM STEAM CAGE HOIST ENGINES	
190	1	Lambert 1-Drum Steam Cage Hoisting Engine No. 9278, 9½ in. x 10 in.
191	1	Lambert 1-Drum Steam Cage Hoisting Engine No. 9276, 9½ in. x 10 in.
192	1	Lambert 1-Drum Steam Cage Hoisting Engine, 10½ in. x 10½ in.
	DERRICKS	
203	1	Lambert 14x14 Wooden Stiff Leg Derrick, mast 20 ft., boom 35 ft., bull wheel 11 ft. 8 in.
204	1	Lambert 14x14 Wooden Stiff Leg Derrick, mast 20 ft., boom 35 ft., bull wheel 11 ft. 8 in.
207	1	Lambert 14x14 Wooden Stiff Leg Derrick, mast 23 ft., boom 35 ft., bull wheel 12 ft.
209	1	Lambert 14x14 Wooden Stiff Leg Derrick, mast 23 ft., boom 35 ft., bull wheel 12 ft.
210	1	Lambert 14x14 Wooden Stiff Leg Derrick, mast 23 ft., boom 35 ft., bull wheel 12 ft.
211	1	Lambert 14x14 Wooden Stiff Leg Derrick, mast 23 ft., boom 35 ft., bull wheel 12 ft.
212	1	Lambert 14x14 Wooden Stiff Leg Derrick, mast 23 ft., boom 35 ft., bull wheel 12 ft.
214	1	Pipe Derrick.
215	1	Jenewink Derrick.
216	1	Jenewink Derrick.
217	5	Set Cable-Way Towers, 10x10, 33 ft. high, some with rigging complete.
218	1	Set Cable-Way Towers, 10x10, 1 long and 1 short tower, 30 ft. and 16 ft. } Goes with cableway and engine.
219	4	Cable-Way Track Platforms. }

Continued Next Week

Space permits the listing of only a few of the hundreds of items. Those enumerated above, however, will give you an idea of the completeness of the assortment. Watch this space next week for the continuation.

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